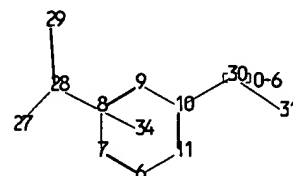
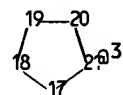
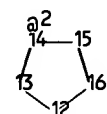
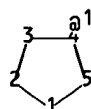
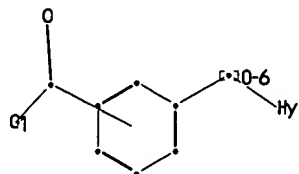
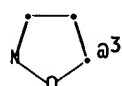
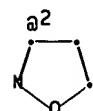
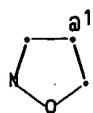


L Number	Hits	Search Text	DB	Time stamp
1	4488	((544/137) or (544/180) or (544/215) or (544/310) or (544/318) or (548/144) or (548/210) or (548/221) or (548/248) or (504/225) or (504/228) or (504/242) or (504/243) or (504/265) or (504/269) or (504/271)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/20 08:37



chain nodes :

27 28 29 30 31

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

chain bonds :

10-30 27-28 28-29 30-31

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-16 13-14 14-15  
15-16 17-18 17-21 18-19 19-20 20-21

exact/norm bonds :

2-3 13-14 18-19 27-28 28-29 30-31

exact bonds :

1-2 1-5 3-4 4-5 10-30 12-13 12-16 14-15 15-16 17-18 17-21 19-20 20-21

normalized bonds :

6-7 6-11 7-8 8-9 9-10 10-11

isolated ring systems :

containing 1 : 6 : 12 : 17 :

G1:[\*1],[\*2],[\*3]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom  
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom  
27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:Atom 34:CLASS

=>

Uploading 09980666.str

L1        STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1                STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 18:54:45 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1065 TO ITERATE

93.9% PROCESSED        1000 ITERATIONS

10 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:    ONLINE    \*\*COMPLETE\*\*

                             BATCH    \*\*COMPLETE\*\*

PROJECTED ITERATIONS:            19343 TO        23257

PROJECTED ANSWERS:                18 TO            408

L2                10 SEA SSS SAM L1

=> s l1 sss ful

FULL SEARCH INITIATED 18:54:53 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 21055 TO ITERATE

100.0% PROCESSED        21055 ITERATIONS

155 ANSWERS

SEARCH TIME: 00.00.01

L3                155 SEA SSS FUL L1

=> s l3

L4                8 L3

=> d l4 1-8 bib,ab,hitstr

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:115133 CAPLUS  
 DN 134:163041  
 TI Preparation of herbicidal tetrazolinones  
 IN Yanagi, Akihiko; Narabu, Shinichi; Goto, Toshio; Ito, Seishi; Ueno, Chieko  
 PA Nihon Bayer Agrochem K.K., Japan  
 SO PCT Int. Appl., 115 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001010850	A1	20010215	WO 2000-IB1064	20000728
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000013075	A	20020521	BR 2000-13075	20000728
	EP 1208090	A1	20020529	EP 2000-944182	20000728
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003506443	T2	20030218	JP 2001-515316	20000728
	JP 2001114769	A2	20010424	JP 2000-231450	20000731
	US 6624121	B1	20030923	US 2002-49405	20020205
PRAI	JP 1999-226845	A	19990810		
	WO 2000-IB1064	W	20000728		

OS MARPAT 134:163041

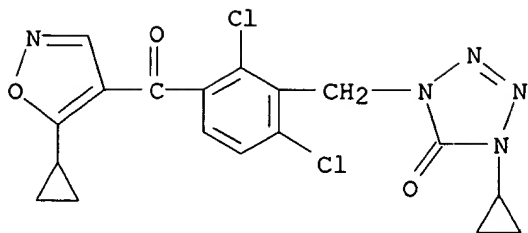
AB The title compds. [I; R1 = halo, alkyl, haloalkyl, etc.; R2 = H, alkyl, (un)substituted cycloalkyl, etc.; m = 0-2; n = 0-1; Q = (un)substituted 1,3-dioxo-2-cyclohexanyl, 5-hydroxy-4-pyrazolyl, 4-isoxazolyl, etc.], useful as herbicides, were prepd. Thus, treatment of 2,4-dichloro-3-(4,5-dihydro-4-methyl-5-oxo-1H-tetrazol-1-yl)benzoic acid with SOCl<sub>2</sub> followed by reaction of the resulting acid chloride with 1,3-cyclohexanedione afforded 51% II which showed more than 90% of herbicidal activity against barnyardgrass, foxtail, common amaranth and knotweed at 2.0 kg/ha.

IT 325460-12-6P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (prepn. of herbicidal tetrazolinones)

RN 325460-12-6 CAPLUS

CN 5H-Tetrazol-5-one, 1-cyclopropyl-4-[[2,6-dichloro-3-[(5-cyclopropyl-4-isoxazolyl)carbonyl]phenyl]methyl]-1,4-dihydro- (9CI) (CA INDEX NAME)

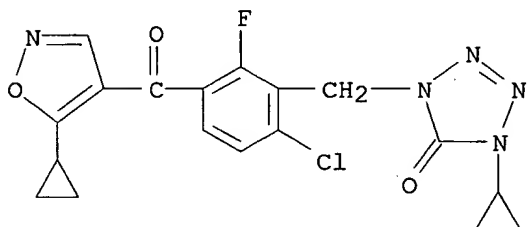


IT 325460-03-5P 325460-04-6P 325460-20-6P  
325460-29-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of herbicidal tetrazolinones)

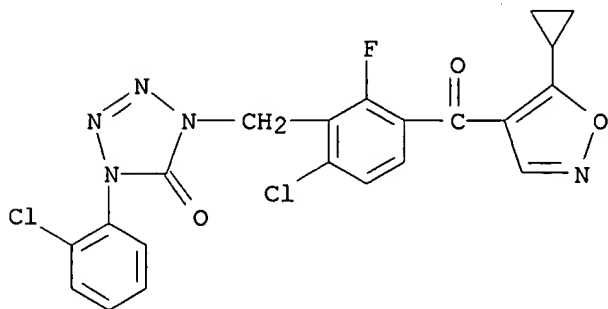
RN 325460-03-5 CAPLUS

CN 5H-Tetrazol-5-one, 1-[[6-chloro-3-[(5-cyclopropyl-4-isoxazolyl)carbonyl]-2-fluorophenyl]methyl]-4-cyclopropyl-1,4-dihydro- (9CI) (CA INDEX NAME)



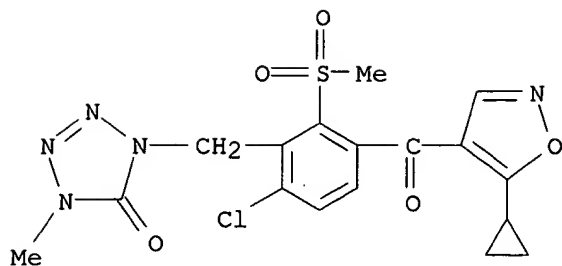
RN 325460-04-6 CAPLUS

CN 5H-Tetrazol-5-one, 1-[[6-chloro-3-[(5-cyclopropyl-4-isoxazolyl)carbonyl]-2-fluorophenyl]methyl]-4-(2-chlorophenyl)-1,4-dihydro- (9CI) (CA INDEX NAME)

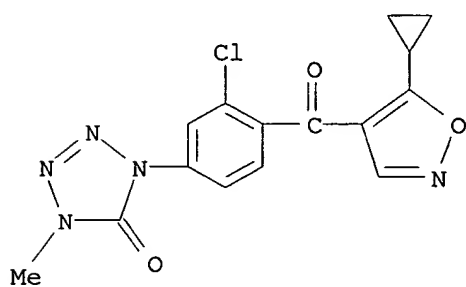


RN 325460-20-6 CAPLUS

CN 5H-Tetrazol-5-one, 1-[[6-chloro-3-[(5-cyclopropyl-4-isoxazolyl)carbonyl]-2-(methylsulfonyl)phenyl]methyl]-1,4-dihydro-4-methyl- (9CI) (CA INDEX NAME)



RN 325460-29-5 CAPLUS  
 CN 5H-Tetrazol-5-one, 1-[3-chloro-4-[(5-cyclopropyl-4-isoxazolyl)carbonyl]phenyl]-1,4-dihydro-4-methyl- (9CI) (CA INDEX NAME)



RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:785840 CAPLUS  
 DN 133:350223  
 TI Preparation of dioxoalkylbenzyltriazolones and related compounds as herbicides.  
 IN Mueller, Klaus-Helmut; Lehr, Stefan; Schallner, Otto; Schwarz, Hans-Georg; Wroblowsky, Heinz-Juergen; Drewes, Mark Wilhelm; Feucht, Dieter; Pontzen, Rolf; Wetcholowsky, Ingo  
 PA Bayer A.-G., Germany  
 SO Ger. Offen., 82 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

*Common 9w.  
 nt prior.*

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19921424	A1	20001109	DE 1999-19921424	19990508
WO 2000068204	A1	20001116	WO 2000-EP3712	20000426
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1181280	A1	20020227	EP 2000-927048	20000426
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BR 2000010388	A	20020319	BR 2000-10388	20000426
JP 2002544198	T2	20021224	JP 2000-617184	20000426
AU 764182	B2	20030814	AU 2000-45563	20000426
PRAI DE 1999-19921424	A	19990508		
WO 2000-EP3712	W	20000426		

*no pending  
 US appln.*

OS MARPAT 133:350223

AB Title compds. [I; n = 0-3; A = bond, alkylene; R1 = H, (substituted) alkyl, cycloalkyl; R2 = H, cyano, carbamoyl, halo, (substituted) alkyl, alkoxy, alkoxy-carbonyl, alkylthio, alkylsulfinyl, alkylsulfonyl; R3 = H, NO2, cyano, CO2H, carbamoyl, thiocarbamoyl, halo, (substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, dialkylamino, dialkylaminosulfonyl; R4 = NO2, cyano, CO2H, carbamoyl, thiocarbamoyl, halo, (substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, dialkylamino, dialkylaminosulfonyl; Z = (substituted) 4-12 membered mono- or bicyclic heterocyclyl contg. .ltoreq.4 N atoms and 1-3 CO or CS groups], were prepd. as herbicides (no data). Thus, 4-cyclopropyl-5-ethoxy-2-(2-carboxy-5-trifluoromethylbenzyl)-2,4-dihydro-3H-1,2,4-triazol-3-one in DMF was treated with cyanomethyl cyclopropyl ketone (prepn. given), Et3N, and di-Et cyanophosphonate followed by stirring for 2 days to give 40% 3-cyclopropyl-2-[2-[4-(cyclopropyl-3-ethoxy-5-oxo-4,5-dihydro-1H-1,2,4-triazol-1-yl)methyl]-4-trifluoromethylbenzoyl]-3-oxopropanenitrile.

IT 304904-94-7P

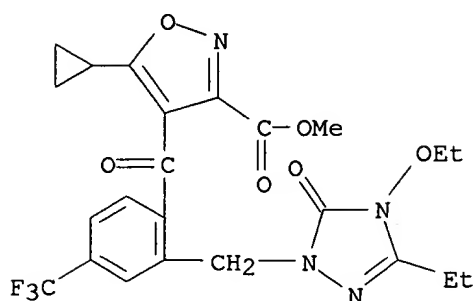
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of dioxoalkylbenzyltriazolones as herbicides)

RN 304904-94-7 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[2-[(4-ethoxy-3-ethyl-4,5-

dihydro-5-oxo-1H-1,2,4-triazol-1-yl)methyl]-4-(trifluoromethyl)benzoyl]-,  
methyl ester (9CI) (CA INDEX NAME)





L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:785811 CAPLUS  
 DN 133:350222  
 TI Preparation of oxotriazolylmethylbenzoylisoxazoles as herbicides.  
 IN Mueller, Klaus-Helmut; Lehr, Stefan; Schallner, Otto; Schwarz, Hans-Georg;  
 Wroblowsky, Heinz-Juergen; Drewes, Mark Wilhelm; Feucht, Dieter; Pontzen,  
 Rolf; Wetcholowsky, Ingo  
 PA Bayer A.-G., Germany  
 SO Ger. Offen., 88 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19920791	A1	20001109	DE 1999-19920791	19990506
	WO 2000068227	A1	20001116	WO 2000-EP3608	20000420
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,				
	CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,				
	ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,				
	LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,				
	SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,				
	ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,				
	DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,				
	CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000010694	A	20020205	BR 2000-10694	20000420
	EP 1178987	A1	20020213	EP 2000-920731	20000420
	EP 1178987	B1	20030813		
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO				
	JP 2002544131	T2	20021224	JP 2000-616201	20000420
	AT 247109	E	20030815	AT 2000-920731	20000420
PRAI	DE 1999-19920791	A	19990506		
	WO 2000-EP3608	W	20000420		

OS MARPAT 133:350222

AB Title compds. [I; n = 0-3; A = bond, alkylene; R1 = H, (substituted) alkyl, alkenyl, cycloalkyl; R2 = H, cyano, carbamoyl, halo, (substituted) alkyl, alkylcarbonyl, alkoxy, alkoxy carbonyl, alkylthio; R3 = H, NO2, cyano, CO2H, carbamoyl, thiocarbamoyl, halo, (substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, dialkylamino, dialkylaminosulfonyl; R4 = NO2, cyano, CO2H, carbamoyl, thiocarbamoyl, halo, (substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylamino, dialkylamino, dialkylaminosulfonyl; Z = (substituted) mono- or bicyclic (unsatd.) heterocyclyl contg. .ltoreq.4 N atoms, optionally 1 or or S atom or 1 SO or SO2 group and 1-3 CO or SO groups], were prepd. as herbicides (no data). Thus, Me 4-(3-bromomethyl-5-trifluoromethylbenzoyl)-5-cyclopropylisoxazol-3-carboxylate in DMF was added portionwise to a mixt. of 4-ethoxy-5-ethyl-2,4-dihydro-3H-1,2,4-triazol-3-one and NaH in DMF followed by 30 min. stirring to give 96% (5-cyclopropyl-3-methoxycarbonylisoxazol-4-yl)[2-(4-ethoxy-3-ethyl-5-oxo-4,5-dihydro-1,2,4-triazol-1-ylmethyl)-4-trifluoromethylphenyl]methanone.

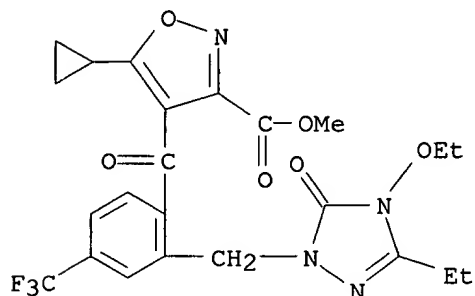
IT 304904-94-7P 305374-92-9P 305374-94-1P  
 305374-96-3P 305374-98-5P 305375-01-3P  
 305375-04-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of oxotriazolymethylbenzoylisoxazoles as herbicides)

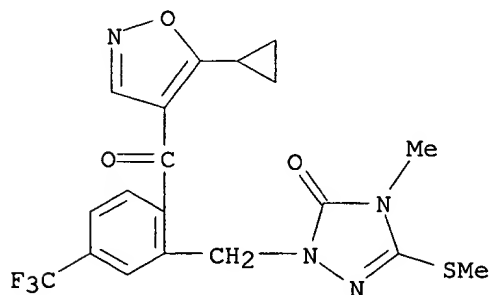
RN 304904-94-7 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[2-[(4-ethoxy-3-ethyl-4,5-dihydro-5-oxo-1H-1,2,4-triazol-1-yl)methyl]-4-(trifluoromethyl)benzoyl]-, methyl ester (9CI) (CA INDEX NAME)



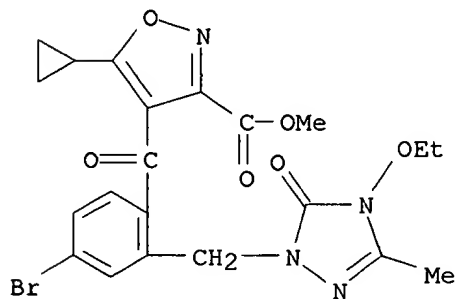
RN 305374-92-9 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 2-[[2-[(5-cyclopropyl-4-isoxazolyl)carbonyl]-5-(trifluoromethyl)phenyl)methyl]-2,4-dihydro-4-methyl-5-(methylthio)- (9CI) (CA INDEX NAME)



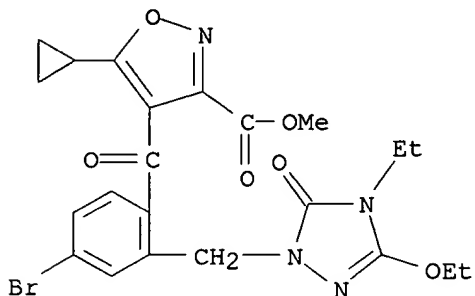
RN 305374-94-1 CAPLUS

CN 3-Isioxazolecarboxylic acid, 4-[4-bromo-2-[(4-ethoxy-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)methyl]benzoyl]-5-cyclopropyl-, methyl ester (9CI) (CA INDEX NAME)



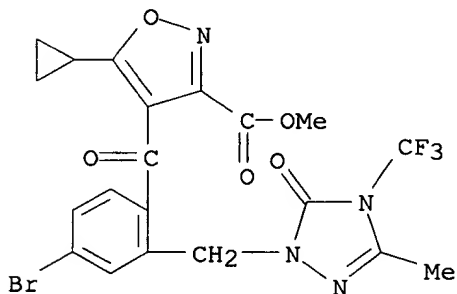
RN 305374-96-3 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[4-bromo-2-[(3-ethoxy-4-ethyl-4,5-dihydro-5-oxo-1H-1,2,4-triazol-1-yl)methyl]benzoyl]-5-cyclopropyl-, methyl ester (9CI) (CA INDEX NAME)



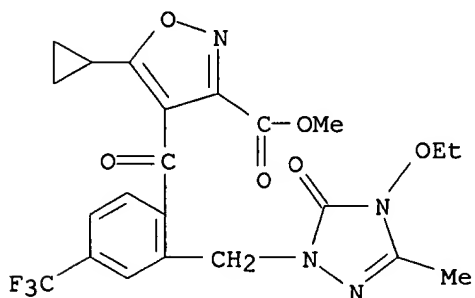
RN 305374-98-5 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[4-bromo-2-[[4,5-dihydro-3-methyl-5-oxo-4-(trifluoromethyl)-1H-1,2,4-triazol-1-yl)methyl]benzoyl]-5-cyclopropyl-, methyl ester (9CI) (CA INDEX NAME)



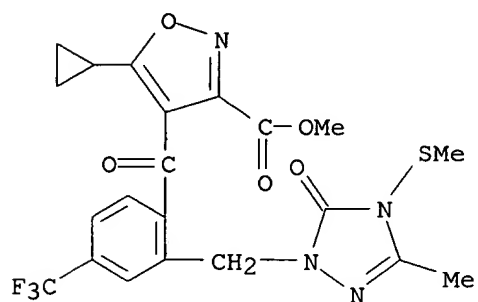
RN 305375-01-3 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-[(4-ethoxy-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)methyl]-4-(trifluoromethyl)benzoyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 305375-04-6 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-[[4,5-dihydro-3-methyl-4-(methylthio)-5-oxo-1H-1,2,4-triazol-1-yl]methyl]-4-(trifluoromethyl)benzoyl]-, methyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:421139 CAPLUS  
 DN 133:58797  
 TI Preparation of herbicidal 4-benzoylisoxazoles  
 IN Cramp, Mary Susan; Hawkins, David William; Geach, Neil Jonathan; Pearson, Christopher J.  
 PA Aventis Cropscience S.A., Fr.  
 SO PCT Int. Appl., 36 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

*not prior*

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000035916	A1	20000622	WO 1999-EP10455	19991214
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRAI GB 1998-27617 A 19981215

OS MARPAT 133:58797

AB The title compds. [I; R = alkyl, haloalkyl, (un)substituted Ph; R1 = alkyl, haloalkyl, (un)substituted cycloalkyl; R2 = halo, alkyl, cycloalkyl, etc.; R3 = 5-membered heteroarom. ring II (wherein D, E, G, J = CR14, N, with at least one of D, E, G and J = CR14; R14 = H, halo, NO2, etc.; or two adjacent groups CR14 may form (un)substituted Ph, 5-7 membered heteroarom. ring which is fused to the first ring); n = 0-3; r = 0-2; x = 1-2] useful as herbicides, were prepd. Thus, treatment of 1,2,4-triazole with NaH in DMF followed by addn. of 5-cyclopropyl-4-(4-fluoro-2-trifluoromethylbenzoyl)-3-(methylthio)isoxazole (prepn. given) afforded the isoxazole I [R = Me; R1 = cyclopropyl; R2 = 2-CF3; R3 = 4-(1,2,4-triazol-1-yl); n = x = 1; r = 0] which gave at least 80% redn. in growth of one or more weeds species such as Amaranthus retroflexus, Abutilon theophrasti, etc.

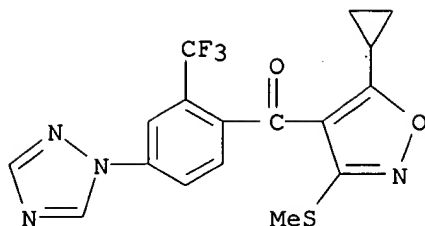
IT 277302-37-1P 277302-38-2P 277302-39-3P

277302-40-6P 277302-41-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of herbicidal 4-benzoylisoxazoles)

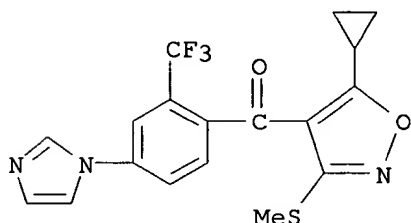
RN 277302-37-1 CAPLUS

CN Methanone, [5-cyclopropyl-3-(methylthio)-4-isoxazolyl][4-(1H-1,2,4-triazol-1-yl)-2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



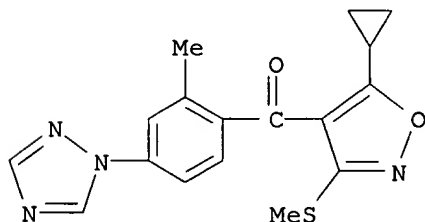
RN 277302-38-2 CAPLUS

CN Methanone, [5-cyclopropyl-3-(methylthio)-4-isoxazolyl][4-(1H-imidazol-1-yl)-2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



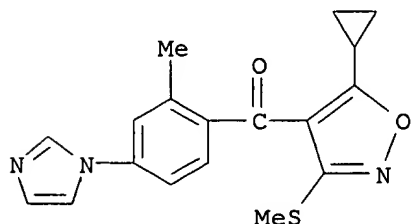
RN 277302-39-3 CAPLUS

CN Methanone, [5-cyclopropyl-3-(methylthio)-4-isoxazolyl][2-methyl-4-(1H-1,2,4-triazol-1-yl)phenyl]- (9CI) (CA INDEX NAME)



RN 277302-40-6 CAPLUS

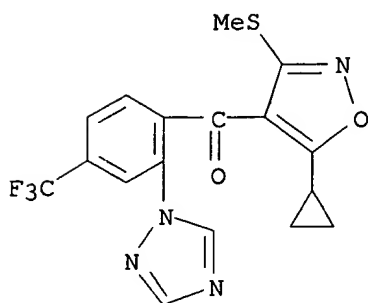
CN Methanone, [5-cyclopropyl-3-(methylthio)-4-isoxazolyl][4-(1H-imidazol-1-yl)-2-methylphenyl]- (9CI) (CA INDEX NAME)



RN 277302-41-7 CAPLUS

CN Methanone, [5-cyclopropyl-3-(methylthio)-4-isoxazolyl][2-(1H-1,2,4-triazol-

1-yl)-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1999:77564 CAPLUS

DN 130:153653

TI Preparation of 4-benzoylisoxazole and 4-benzoylpyrazole derivatives as herbicides

IN Araki, Kouichi; Brett, Takako; Go, Atsushi; Ito, Masahito; Morris, John; Mukaida, Hideshi; Oe, Yukiko; Sasaki, Norio; Geach, Neil Jonathan; Domom, Kei

PA Rhone-Poulenc Agriculture Limited, UK

SO PCT Int. Appl., 116 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9903856	A1	19990128	WO 1998-EP4950	19980715
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9888637	A1	19990210	AU 1998-88637	19980715
	ZA 9806378	A	19990127	ZA 1998-6378	19980717
PRAI	GB 1997-15160		19970718		
	GB 1997-15163		19970718		
	WO 1998-EP4950		19980715		

OS MARPAT 130:153653

AB The title compds. [I; A = II-V (wherein R = H, CO<sub>2</sub>(lower alkyl or haloalkyl); R<sub>1</sub> = lower alkyl, lower haloalkyl, cycloalkyl, etc.; R<sub>a</sub> = lower alkyl, haloalkyl, alkenyl, etc.; R<sub>b</sub> = H, lower alkyl, haloalkyl, etc.; Q = H, lower alkyl, haloalkyl, etc.); z = 1-2; when z represents 2 the XR<sub>3</sub> groups may be the same or different; R<sub>3</sub> = 5-membered heteroarom. ring VI (D, E, G and J = CR<sub>14</sub>, N, with at least one of D, E, G and J representing CR<sub>14</sub> (when more than one CR<sub>14</sub> group is present they may be the same or different); or two adjacent groups CR<sub>14</sub> may form a Ph or 5- to 7-membered heteroarom. ring which is fused to the first ring and is optionally substituted; and when present the 5- to 7-membered heterocyclic ring contains from one to four heteroatoms in the ring which may be the same or different selected from N, O and S; R<sub>14</sub> = H, halo, NO<sub>2</sub>, etc.); X = (CR<sub>9</sub>R<sub>10</sub>)<sub>v</sub>; R<sub>2</sub> = halo, lower alkyl, C<sub>3</sub>-6 cycloalkyl, etc.; n = 0-3; R<sub>9</sub>, R<sub>10</sub> = H, lower alkyl, haloalkyl; v = 0-1], useful as herbicides, were prepd. Thus, reaction of Et 5-cyclopropyl-4-(4-fluoro-2-trifluoromethyl)benzoylisoxazole-3-carboxylate with 1,2,4-triazole in the presence of NaH in DMF afforded the title compd. VII which gave at least 80% redn. in one or more of the weed species such as Echinochloa oryzicola, Monochoria vaginalis, Lidernia procumbens and Spirpus juncoides, at 1000 g/ha or less.

IT 220160-68-9P 220161-65-9P 220161-72-8P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (prepn. of 4-benzoylisoxazole and 4-benzoylpyrazole derivs. as herbicides)

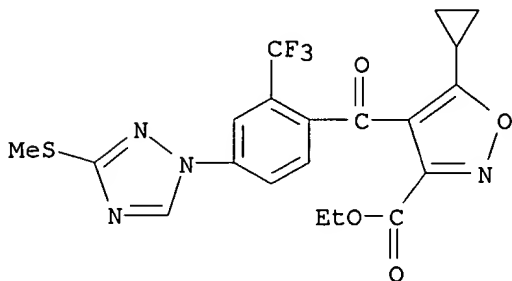
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groups  
 as part  
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 ring  
 system.



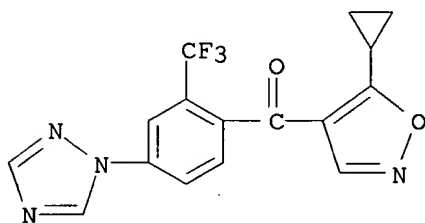
RN 220160-68-9 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[4-[3-(methylthio)-1H-1,2,4-triazol-1-yl]-2-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



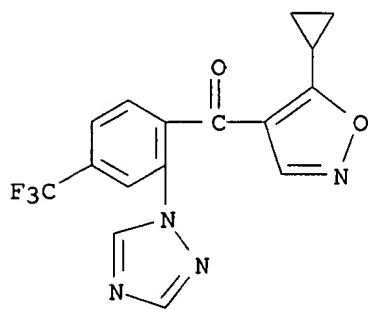
RN 220161-65-9 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[4-(1H-1,2,4-triazol-1-yl)-2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 220161-72-8 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-(1H-1,2,4-triazol-1-yl)-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



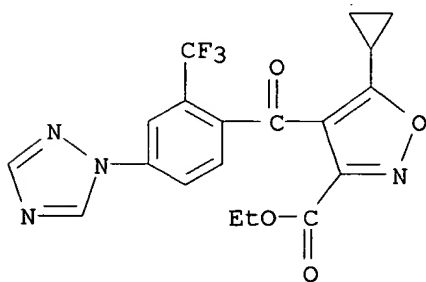
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 220161-82-0P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of 4-benzoylisoxazole and 4-benzoylpyrazole derivs. as herbicides)

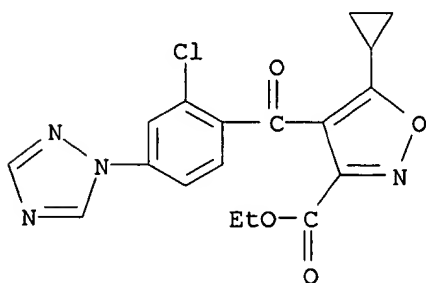
RN 220160-63-4 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[4-(1H-1,2,4-triazol-1-yl)-2-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



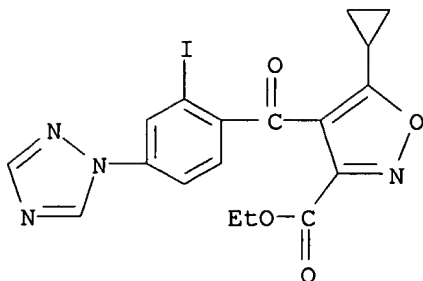
RN 220160-74-7 CAPLUS

CN 3-Isioxazolecarboxylic acid, 4-[2-chloro-4-(1H-1,2,4-triazol-1-yl)benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



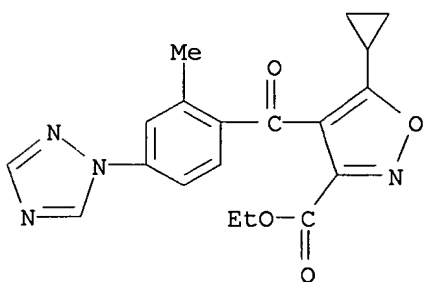
RN 220160-77-0 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[2-iodo-4-(1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



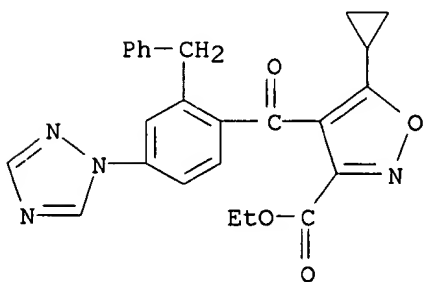
RN 220160-80-5 CAPLUS

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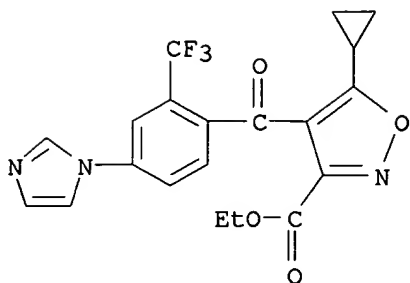
RN 220160-83-8 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(phenylmethyl)-4-(1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



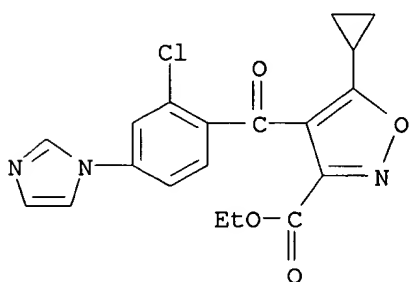
RN 220160-85-0 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[4-(1H-imidazol-1-yl)-2-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



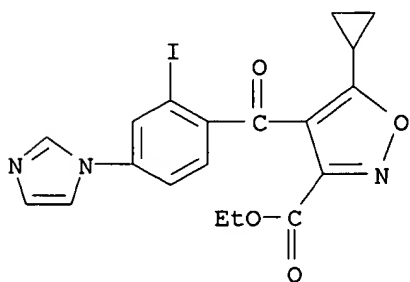
RN 220160-94-1 CAPLUS

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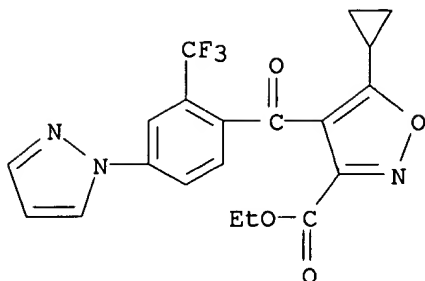
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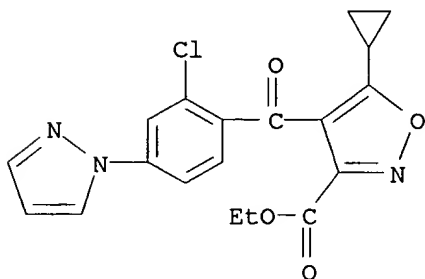
RN 220161-01-3 CAPLUS

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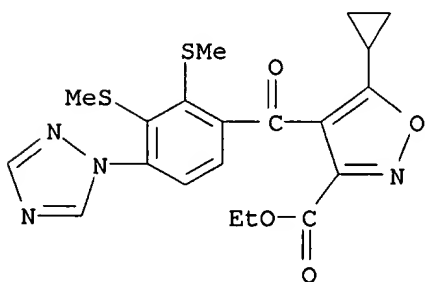
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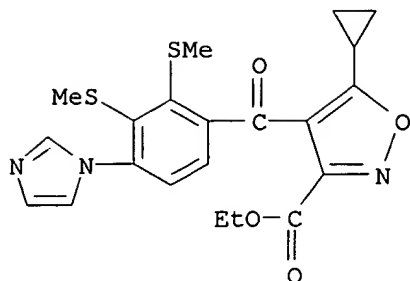
RN 220161-07-9 CAPLUS

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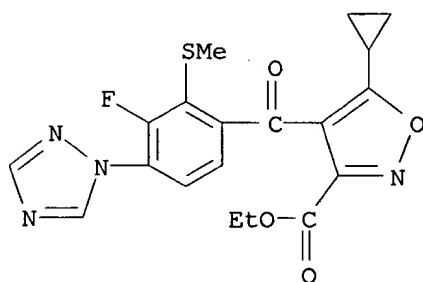
RN 220161-11-5 CAPLUS

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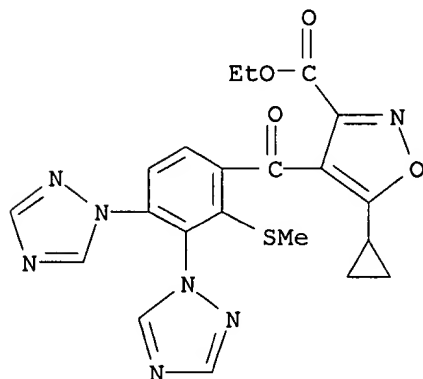
RN 220161-13-7 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[3-fluoro-2-(methylthio)-4-(1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



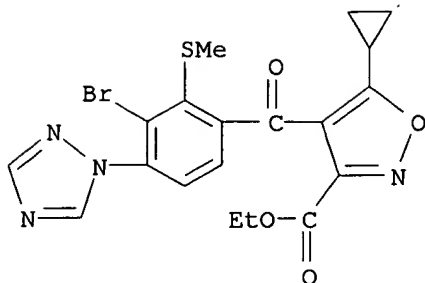
RN 220161-15-9 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(methylthio)-3,4-bis(1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



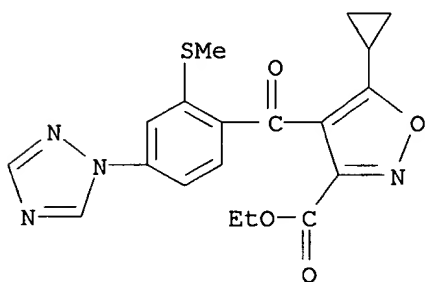
RN 220161-18-2 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[3-bromo-2-(methylthio)-4-(1H-1,2,4-triazol-1-yl)benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



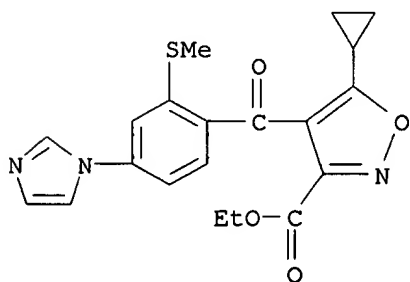
RN 220161-21-7 CAPLUS

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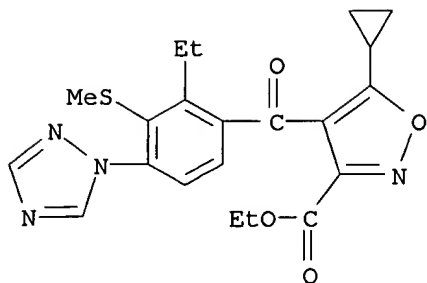
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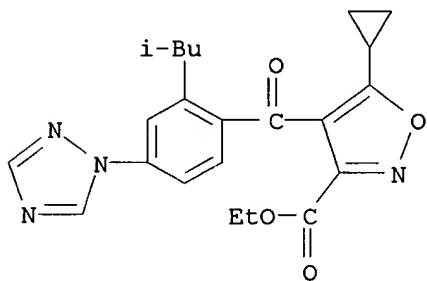
RN 220161-25-1 CAPLUS

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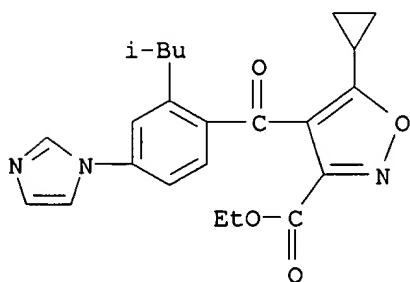
RN 220161-26-2 CAPLUS

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RN 220161-27-3 CAPLUS

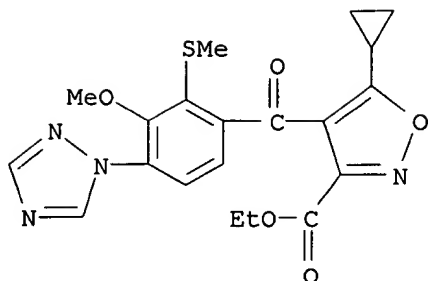
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RN 220161-28-4 CAPLUS

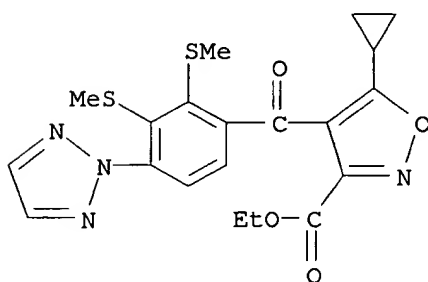
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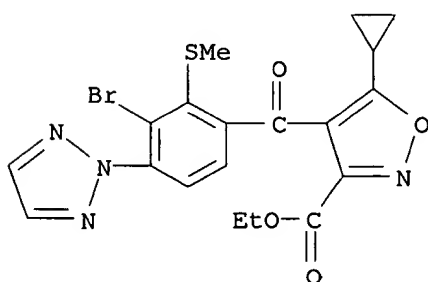
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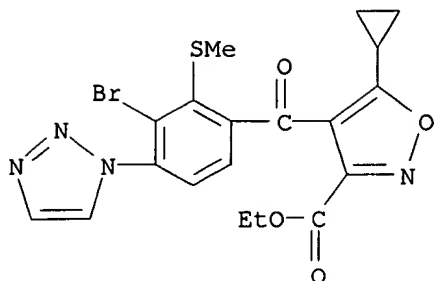
RN 220161-30-8 CAPLUS

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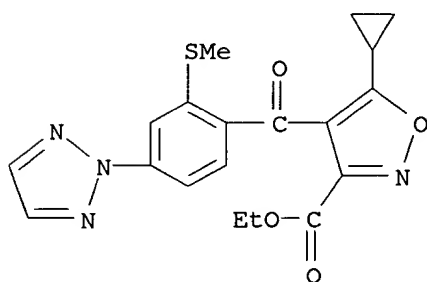
RN 220161-32-0 CAPLUS

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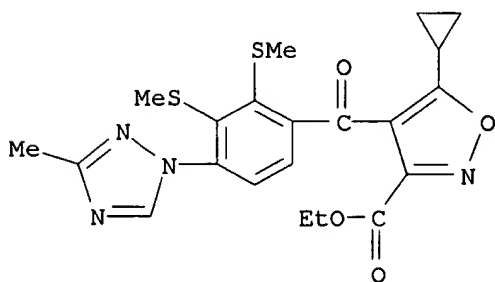
RN 220161-33-1 CAPLUS

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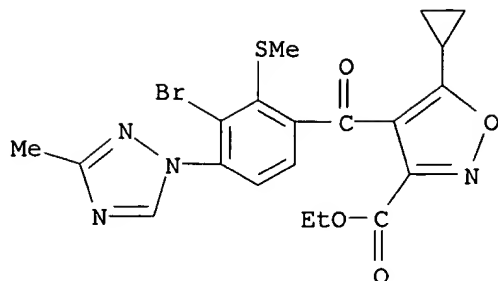
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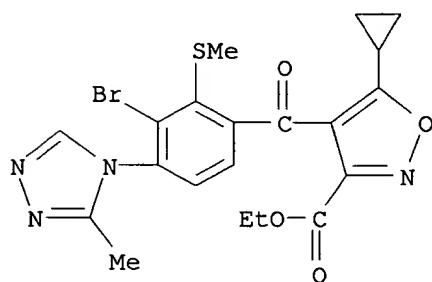
RN 220161-35-3 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[3-bromo-2-(methylthio)-4-(3-methyl-1H-1,2,4-triazol-1-yl)benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



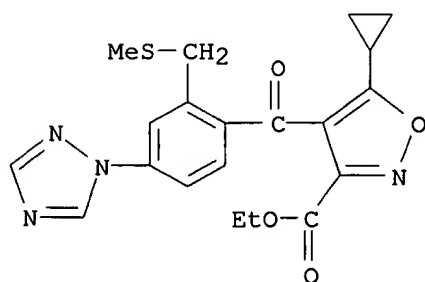
RN 220161-36-4 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[3-bromo-2-(methylthio)-4-(3-methyl-1H-1,2,4-triazol-4-yl)benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



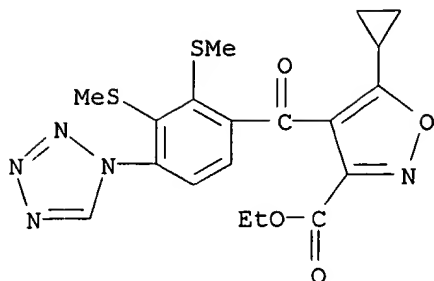
RN 220161-37-5 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-[(methylthio)methyl]-4-(1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



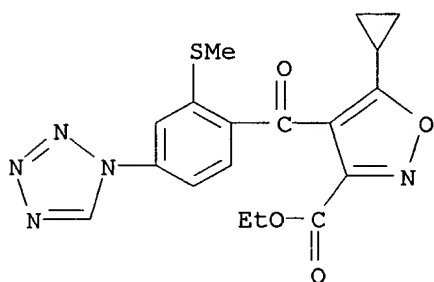
RN 220161-38-6 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[2,3-bis(methylthio)-4-(1H-tetrazol-1-yl)benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



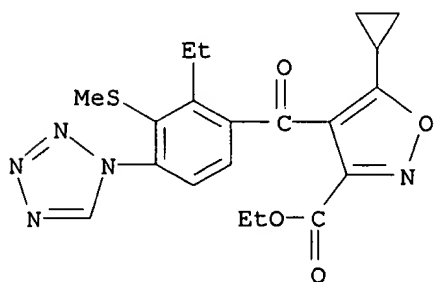
RN 220161-40-0 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(methylthio)-4-(1H-tetrazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



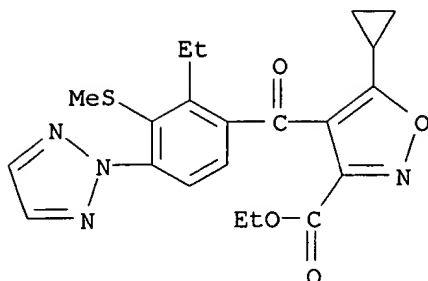
RN 220161-41-1 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-ethyl-3-(methylthio)-4-(1H-tetrazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



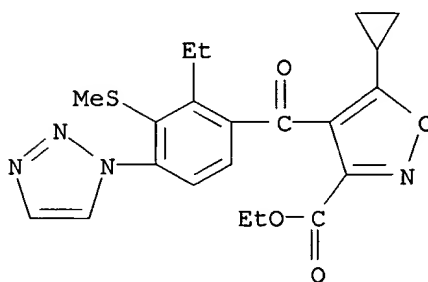
RN 220161-42-2 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-ethyl-3-(methylthio)-4-(2H-1,2,3-triazol-2-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



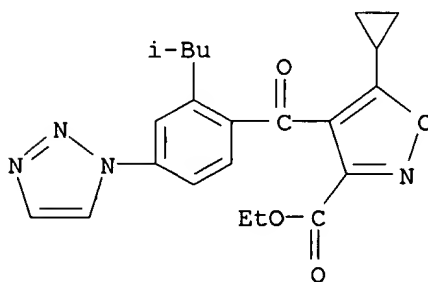
RN 220161-43-3 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-ethyl-3-(methylthio)-4-(1H-1,2,3-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



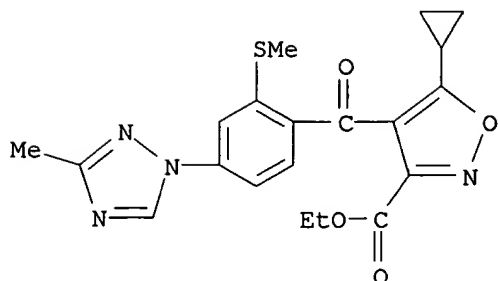
RN 220161-44-4 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(2-methylpropyl)-4-(1H-1,2,3-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



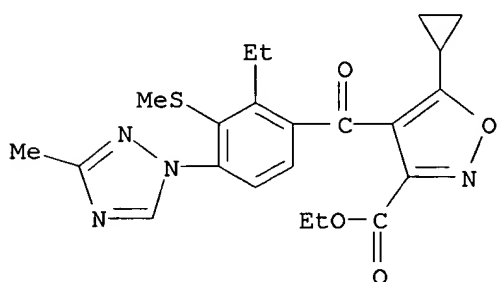
RN 220161-45-5 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(methylthio)-4-(3-methyl-1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



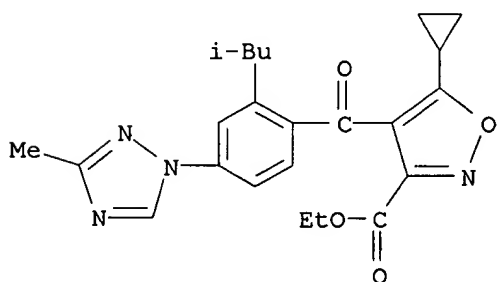
RN 220161-46-6 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-ethyl-3-(methylthio)-4-(3-methyl-1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



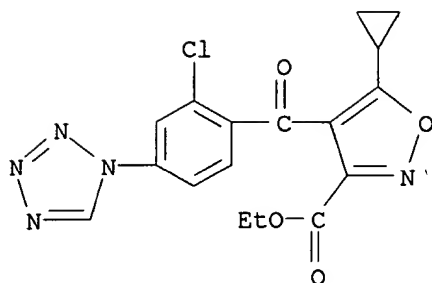
RN 220161-47-7 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(2-methylpropyl)-4-(3-methyl-1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



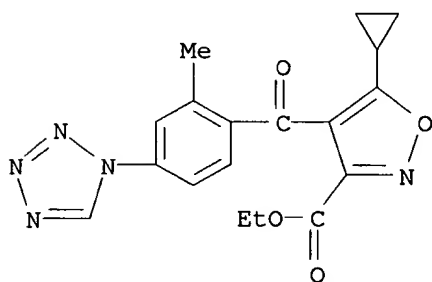
RN 220161-48-8 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[2-chloro-4-(1H-tetrazol-1-yl)benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



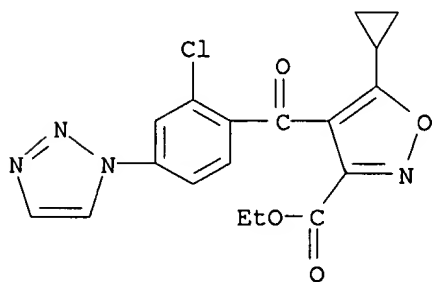
RN 220161-49-9 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-methyl-4-(1H-tetrazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



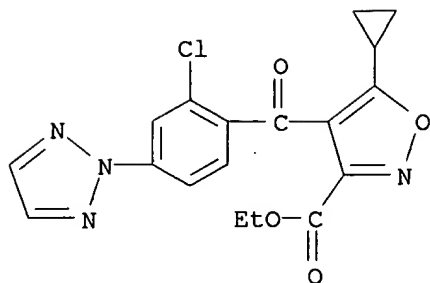
RN 220161-52-4 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[2-chloro-4-(1H-1,2,3-triazol-1-yl)benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



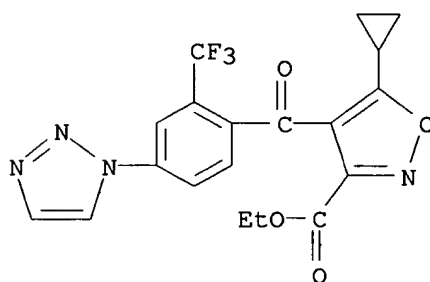
RN 220161-53-5 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[2-chloro-4-(2H-1,2,3-triazol-2-yl)benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



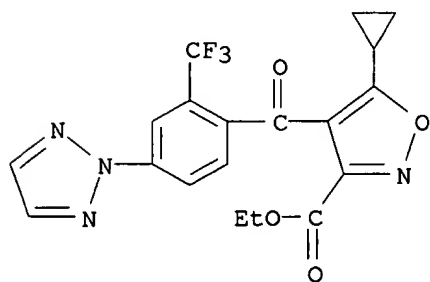
RN 220161-54-6 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[4-(1H-1,2,3-triazol-1-yl)-2-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 220161-55-7 CAPLUS

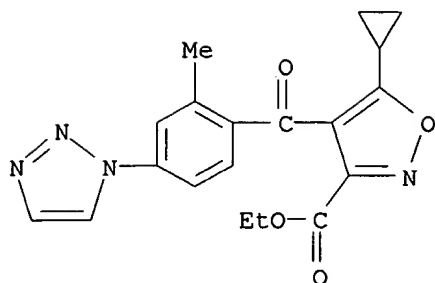
CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[4-(2H-1,2,3-triazol-2-yl)-2-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 220161-56-8 CAPLUS

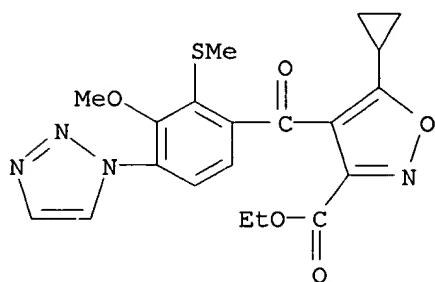
CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[2-methyl-4-(1H-1,2,3-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)





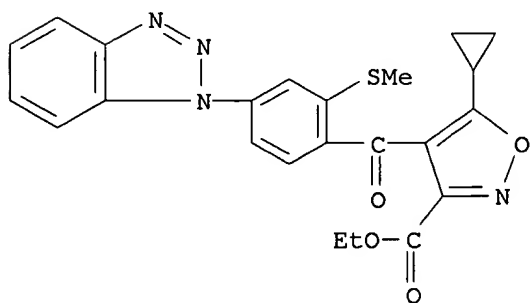
RN 220161-58-0 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[3-methoxy-2-(methylthio)-4-(1H-1,2,3-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



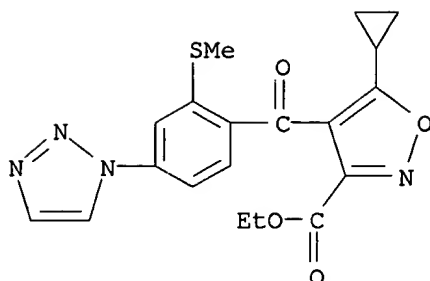
RN 220161-59-1 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[4-(1H-benzotriazol-1-yl)-2-(methylthio)benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



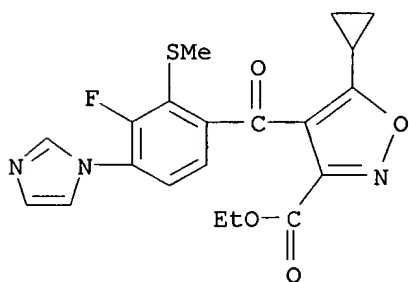
RN 220161-60-4 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(methylthio)-4-(1H-1,2,3-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



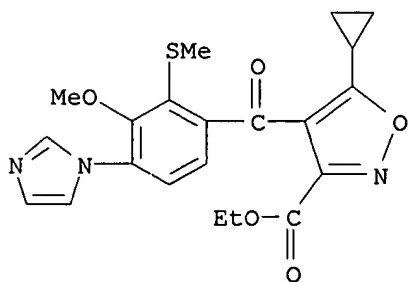
RN 220161-62-6 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[3-fluoro-4-(1H-imidazol-1-yl)-2-(methylthio)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



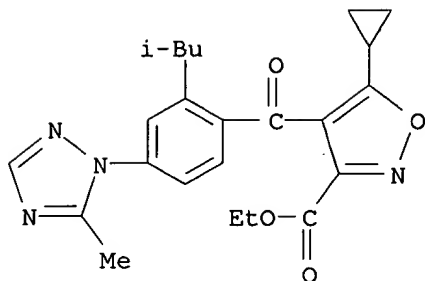
RN 220161-63-7 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[4-(1H-imidazol-1-yl)-3-methoxy-2-(methylthio)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



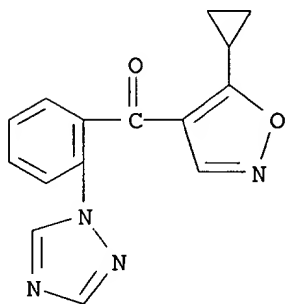
RN 220161-64-8 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(2-methylpropyl)-4-(5-methyl-1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



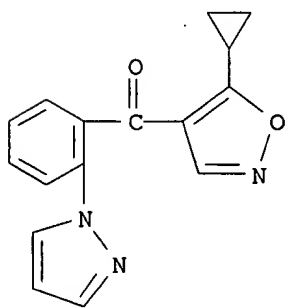
RN 220161-66-0 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl) [2-(1H-1,2,4-triazol-1-yl)phenyl]- (9CI) (CA INDEX NAME)



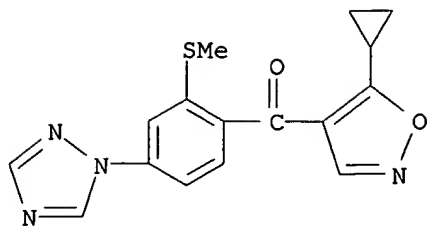
RN 220161-67-1 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl) [2-(1H-pyrazol-1-yl)phenyl]- (9CI) (CA INDEX NAME)



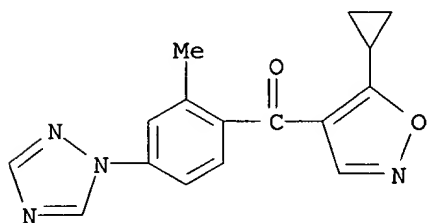
RN 220161-69-3 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl) [2-(methythio)-4-(1H-1,2,4-triazol-1-yl)phenyl]- (9CI) (CA INDEX NAME)



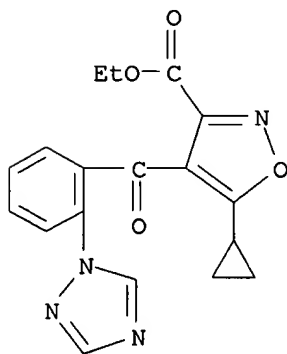
RN 220161-71-7 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-methyl-4-(1H-1,2,4-triazol-1-yl)phenyl]- (9CI) (CA INDEX NAME)



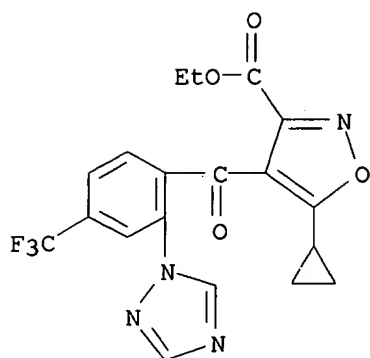
RN 220161-73-9 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[2-(1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



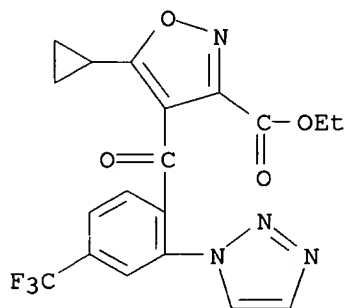
RN 220161-75-1 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[2-(1H-1,2,4-triazol-1-yl)-4-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



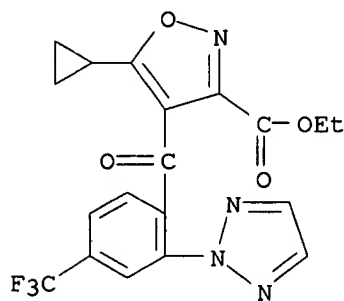
RN 220161-76-2 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(1H-1,2,3-triazol-1-yl)-4-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



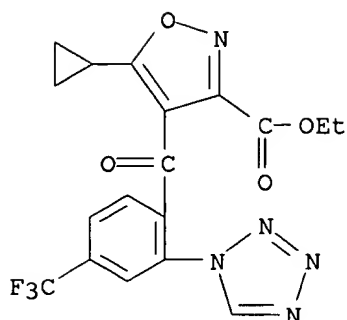
RN 220161-77-3 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(2H-1,2,3-triazol-2-yl)-4-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



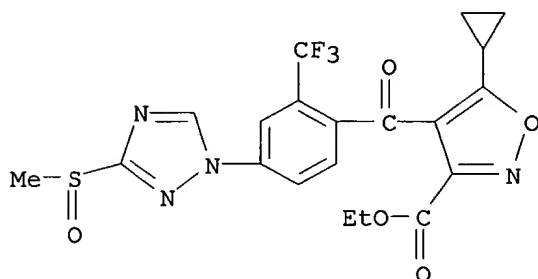
RN 220161-78-4 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(1H-tetrazol-1-yl)-4-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



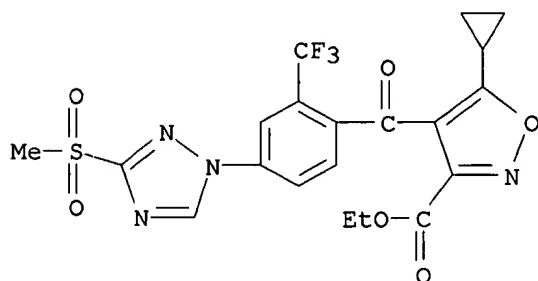
RN 220161-79-5 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[4-[3-(methylsulfinyl)-1H-1,2,4-triazol-1-yl]-2-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



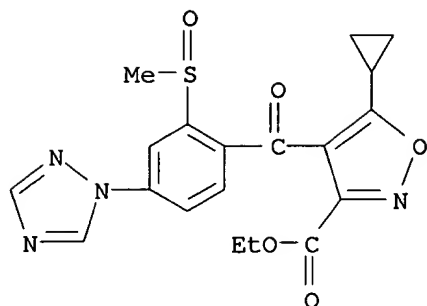
RN 220161-80-8 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[4-[3-(methanesulfonyl)-1H-1,2,4-triazol-1-yl]-2-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



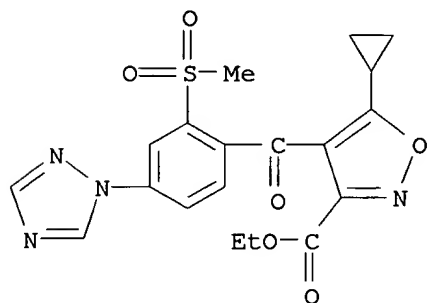
RN 220161-81-9 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[2-(methylsulfinyl)-4-(1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 220161-82-0 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[2-(methylsulfonyl)-4-(1H-1,2,4-triazol-1-yl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1997:533627 CAPLUS

DN 127:220649

TI Benzoylisoxazoles and 2-cyano-1,3-dione derivatives and their use as herbicides

IN Go, Atsushi; Kudo, Sachio; Murata, Tetsuya; Morris, John; Lambert, Claude; Itoh, Masahito; Mukaida, Hidesi; Geach, Neil; Araki, Koichi; Brett, Takako; Oe, Yukiko; et al.

PA Rhone-Poulenc Agriculture Ltd., UK; Mitsubishi Chemical Corp.; Go, Atsushi; Kudo, Sachio; Murata, Tetsuya; Morris, John; Lambert, Claude; Itoh, Masahito; Mukaida, Hidesi; et al.

SO PCT Int. Appl., 105 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9728136	A1	19970807	WO 1997-EP330	19970124
	W:	AL, AU, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	ZA 9700537	A	19970730	ZA 1997-537	19970122
	AU 9715949	A1	19970822	AU 1997-15949	19970124
PRAI	GB 1996-1766	A	19960130		
	GB 1996-26393	A	19961219		
	WO 1997-EP330	W	19970124		

OS MARPAT 127:220649

AB The invention relates to 4-benzoylisoxazole derivs. I, 5-phenylisoxazole derivs. II, and 2-cyano-1,3-dione derivs. III [R = H, CO<sub>2</sub>R<sub>4</sub>; R<sub>1</sub> = (un)substituted alkyl or cycloalkyl; R<sub>2</sub> = halo, (un)substituted alkyl or cycloalkyl; or (R<sub>2</sub>)<sub>2</sub> = OCH<sub>2</sub>O or its halo derivs.; R<sub>3</sub> = (un)substituted Ph; R<sub>4</sub> = (un)substituted alkyl or Ph; n = 0-3; X = (un)substituted (CH<sub>2</sub>)<sub>1-3</sub>], and to their agriculturally acceptable salts or metal complexes, as well as their use as herbicides. For instance, cyclocondensation of 1-[2-benzyl-4-(ethylthio)phenyl]-3-cyclopropyl-2-(dimethylamino)propane-1,3-dione with NH<sub>2</sub>OH.HCl in EtOH gave title compd. IV. At 1000 g/ha pre- or postemergence, many invention compds. including IV gave at least 80% growth redn. for at least 1 of 11 test weeds, with selectivity toward at least 1 crop species.

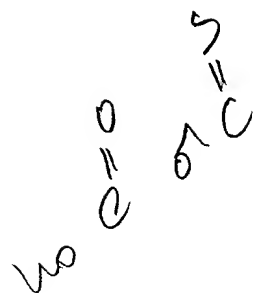
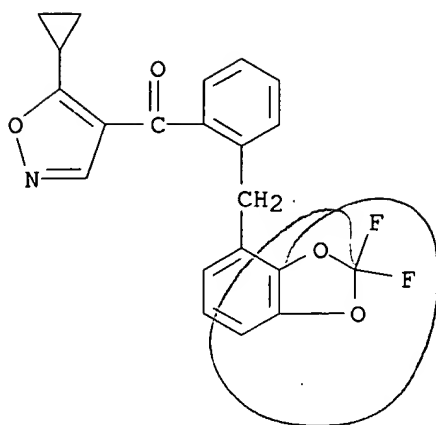
IT **194926-84-6P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of benzoylisoxazoles and cyano diones as herbicides)

RN 194926-84-6 CAPLUS

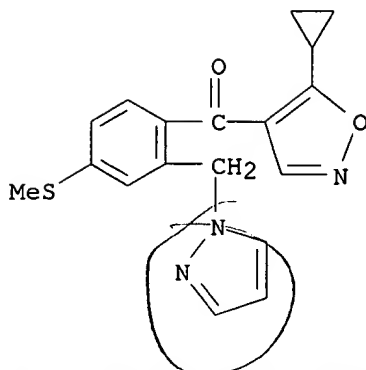
CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[(2,2-difluoro-1,3-benzodioxol-4-yl)methyl]phenyl]- (9CI) (CA INDEX NAME)





L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1997:513629 CAPLUS  
 DN 127:205564  
 TI Isoxazole and 2-cyano-1,3-dione derivatives and their use as herbicides  
 IN Go, Atsushi; Araki, Koichi; Toshima, Norishige; Yukiko, Oe; Lambert, Claude; Itoh, Masahito; Kirio, Yoshie; Sasaki, Norio; Brett, Takako; Mukaida, Hidesi  
 PA Rhone-Poulenc Agriculture Ltd., UK; Go, Atsushi; Araki, Koichi; Toshima, Norishige; Yukiko, Oe; Lambert, Claude; Itoh, Masahito; Kirio, Yoshie; Sasaki, Norio; et al.  
 SO PCT Int. Appl., 86 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9727187	A1	19970731	WO 1997-EP258	19970121
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	ZA 9700289	A	19970728	ZA 1997-289	19970114
	AU 9715934	A1	19970820	AU 1997-15934	19970121
PRAI	GB 1996-1575	A	19960126		
	GB 1996-26435	A	19961223		
	WO 1997-EP258	W	19970121		
OS	MARPAT 127:205564				
AB	The invention relates to 4-benzoylisoxazole derivs. I, 5-phenylisoxazole derivs. II, and 2-cyano-1,3-dione derivs. III [R = H, CO <sub>2</sub> R <sub>4</sub> ; R <sub>1</sub> = alkyl, haloalkyl, (un)substituted cycloalkyl; R <sub>2</sub> = halo, hydroxyalkyl or ethers thereof, cycloalkyl, NO <sub>2</sub> , cyano, OH, amino, etc.; or 2 R <sub>2</sub> groups form a 1,3-benzodioxole ring with optional 2-halo substitution; n = 0-3; R <sub>3</sub> = (un)substituted, (un)fused, 5-membered heteroarom. ring; R <sub>4</sub> = (un)substituted alkyl or Ph; X = (un)substituted CH <sub>2</sub> or CH <sub>2</sub> CH <sub>2</sub> ], and to their use as herbicides. A variety of compds. and their intermediates were prepd. For instance, Et 5-cyclopropyl-4-(2-methyl-4-trifluoromethylbenzoyl)isoxazole-3-carboxylate (prepn. given) underwent benzylic bromination by NBS in CCl <sub>4</sub> with peroxide/photochem. initiation, and the product bromide was treated with NaH and 1,2,4-triazole in DMF, to give title compd. IV. At 1 kg/ha pre- or postemergence, IV gave .gtoreq.90% growth redn. for at least one test weed, with selectivity toward at least one crop species.				
IT	<b>194486-11-8P</b> RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (prepn. of isoxazole ketone and cyano dione derivs. as herbicides)				
RN	194486-11-8 CAPLUS				
CN	Methanone, (5-cyclopropyl-4-isoxazolyl)[4-(methylthio)-2-(1H-pyrazol-1-ylmethyl)phenyl]- (9CI) (CA INDEX NAME)				

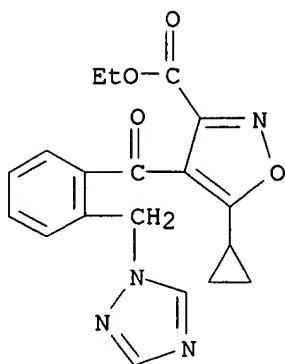


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 194486-66-3P 194486-67-4P 194486-68-5P  
 194486-70-9P 194486-72-1P 194486-74-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of isoxazole ketone and cyano dione derivs. as herbicides)

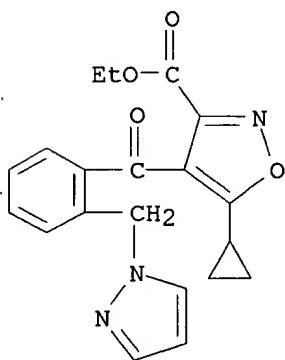
RN 194486-03-8 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(1H-1,2,4-triazol-1-ylmethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



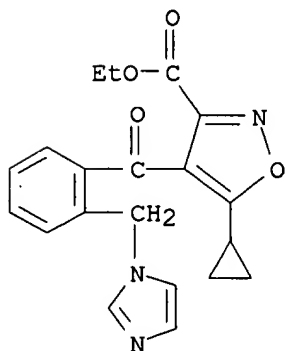
RN 194486-04-9 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(1H-pyrazol-1-ylmethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



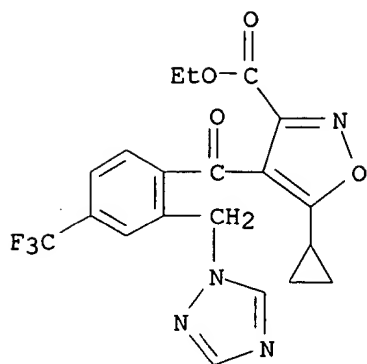
RN 194486-05-0 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(1H-imidazol-1-ylmethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



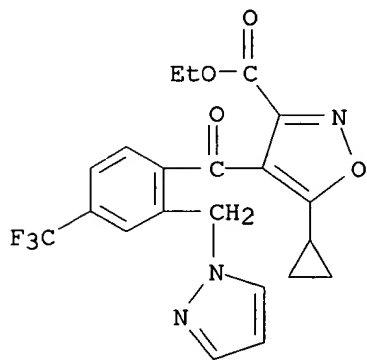
RN 194486-06-1 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(1H-1,2,4-triazol-1-ylmethyl)-4-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



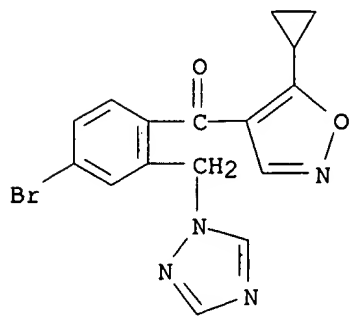
RN 194486-07-2 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-(1H-pyrazol-1-ylmethyl)-4-(trifluoromethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



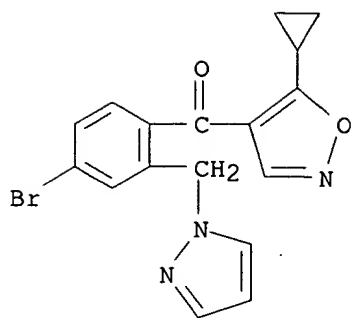
RN 194486-08-3 CAPLUS

CN Methanone, [4-bromo-2-(1H-1,2,4-triazol-1-ylmethyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



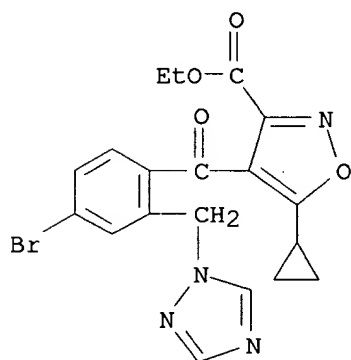
RN 194486-09-4 CAPLUS

CN Methanone, [4-bromo-2-(1H-pyrazol-1-ylmethyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



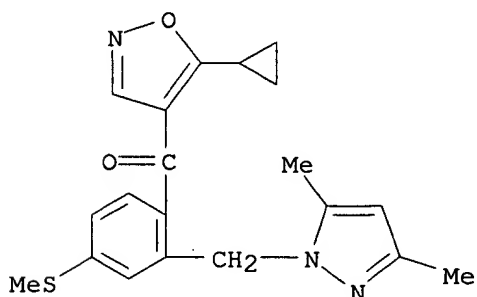
RN 194486-10-7 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[4-bromo-2-(1H-1,2,4-triazol-1-ylmethyl)benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



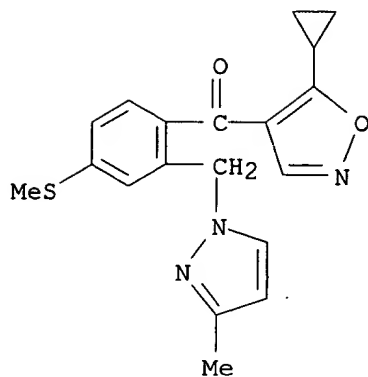
RN 194486-12-9 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[(3,5-dimethyl-1H-pyrazol-1-yl)methyl]-4-(methylthio)phenyl]- (9CI) (CA INDEX NAME)



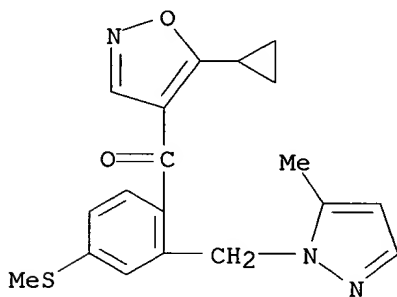
RN 194486-13-0 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[(3-methyl-1H-pyrazol-1-yl)methyl]-4-(methylthio)phenyl]- (9CI) (CA INDEX NAME)



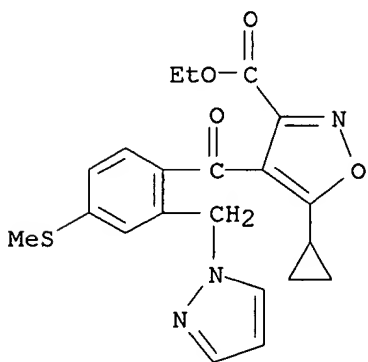
RN 194486-14-1 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[(5-methyl-1H-pyrazol-1-yl)methyl]-4-(methylthio)phenyl]- (9CI) (CA INDEX NAME)



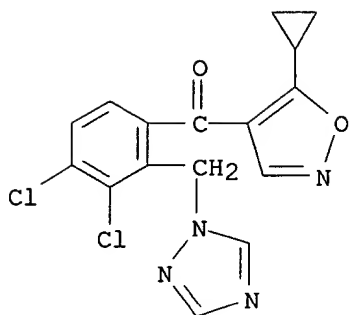
RN 194486-15-2 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[4-(methylthio)-2-(1H-pyrazol-1-ylmethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



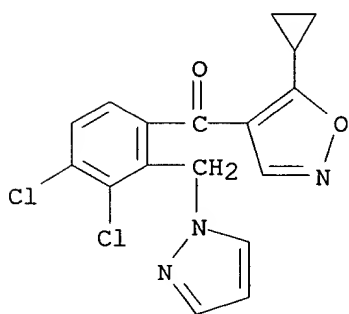
RN 194486-16-3 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[3,4-dichloro-2-(1H-1,2,4-triazol-1-ylmethyl)phenyl]- (9CI) (CA INDEX NAME)



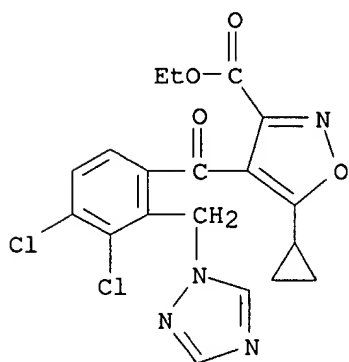
RN 194486-17-4 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[3,4-dichloro-2-(1H-pyrazol-1-ylmethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 194486-18-5 CAPLUS

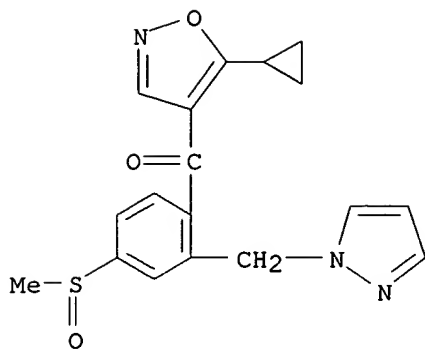
CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[3,4-dichloro-2-(1H-1,2,4-triazol-1-ylmethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 194486-19-6 CAPLUS

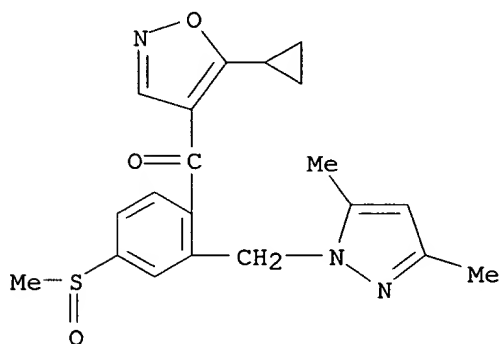
CN Methanone, (5-cyclopropyl-4-isoxazolyl)[4-(methylsulfinyl)-2-(1H-pyrazol-1-ylmethyl)phenyl]- (9CI) (CA INDEX NAME)





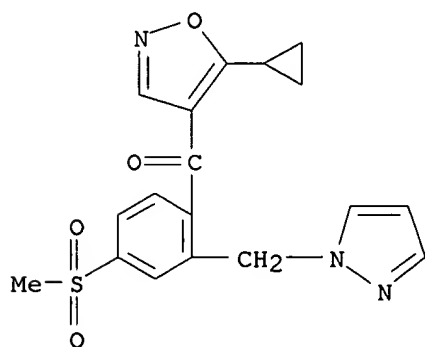
RN 194486-20-9 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[(3,5-dimethyl-1H-pyrazol-1-yl)methyl]-4-(methylsulfinyl)phenyl]- (9CI) (CA INDEX NAME)



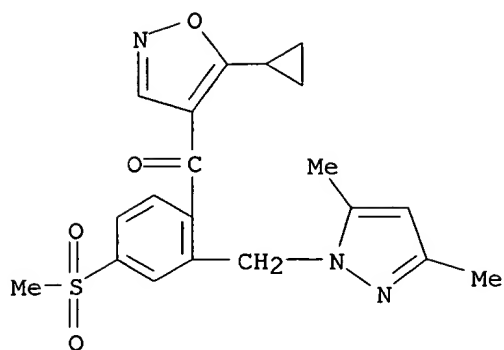
RN 194486-21-0 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[4-(methylsulfonyl)-2-(1H-pyrazol-1-ylmethyl)phenyl]- (9CI) (CA INDEX NAME)



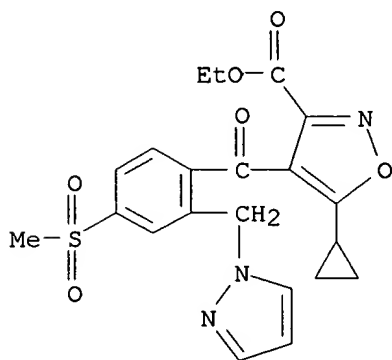
RN 194486-22-1 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[(3,5-dimethyl-1H-pyrazol-1-yl)methyl]-4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



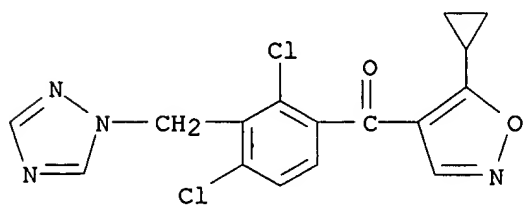
RN 194486-23-2 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[4-(methanesulfonyl)-2-(1H-pyrazol-1-ylmethyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



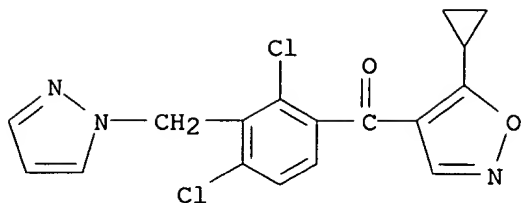
RN 194486-24-3 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2,4-dichloro-3-(1H-1,2,4-triazol-1-ylmethyl)phenyl]- (9CI) (CA INDEX NAME)



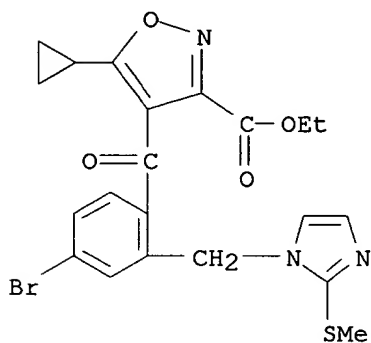
RN 194486-25-4 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2,4-dichloro-3-(1H-pyrazol-1-ylmethyl)phenyl]- (9CI) (CA INDEX NAME)



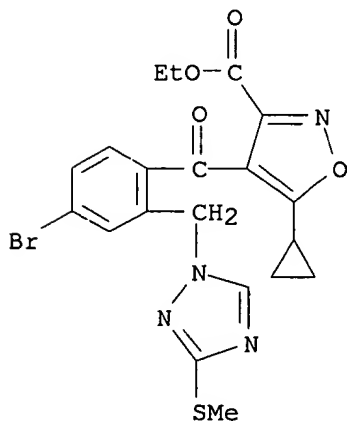
RN 194486-26-5 CAPLUS

CN 3-Isioxazolecarboxylic acid, 4-[4-bromo-2-[[2-(methylthio)-1H-imidazol-1-yl]methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



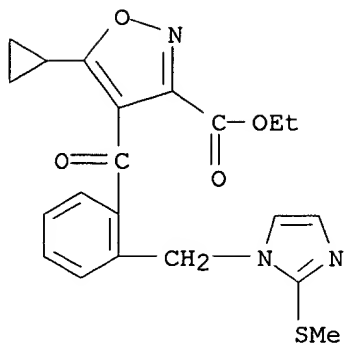
RN 194486-27-6 CAPLUS

CN 3-Isioxazolecarboxylic acid, 4-[4-bromo-2-[[3-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



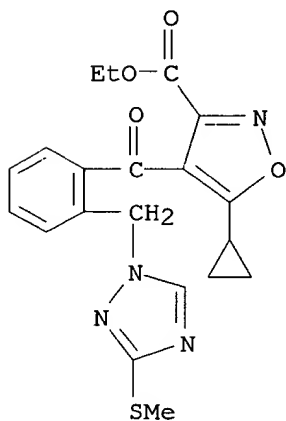
RN 194486-28-7 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[2-[[2-(methylthio)-1H-imidazol-1-yl]methyl]benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



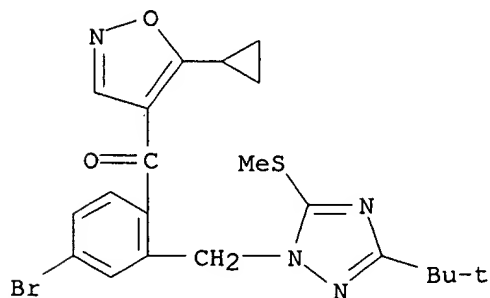
RN 194486-29-8 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[2-[[3-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 194486-30-1 CAPLUS

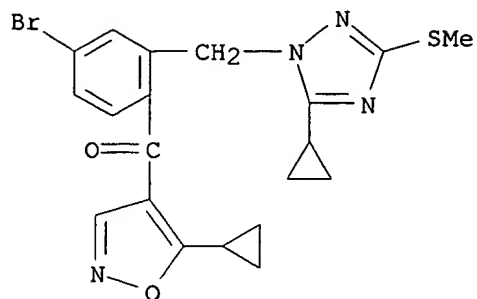
CN Methanone, [4-bromo-2-[[3-(1,1-dimethylethyl)-5-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]phenyl](5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



RN 194486-31-2 CAPLUS

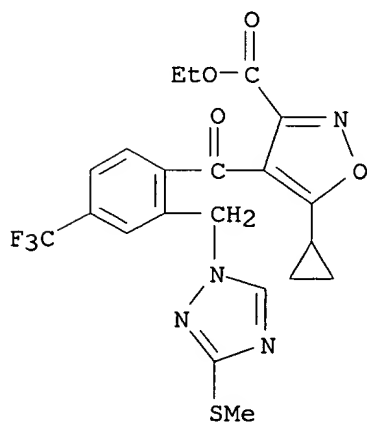
CN Methanone, [4-bromo-2-[[5-cyclopropyl-3-(methylthio)-1H-1,2,4-triazol-1-

yl)methyl]phenyl](5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



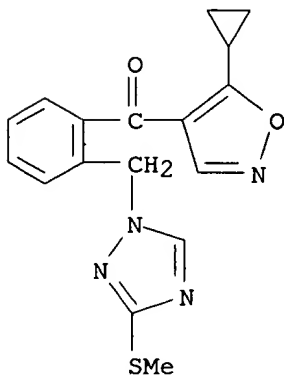
RN 194486-32-3 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[2-[[3-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]phenyl]-4-(trifluoromethyl)benzoyl-, ethyl ester (9CI) (CA INDEX NAME)



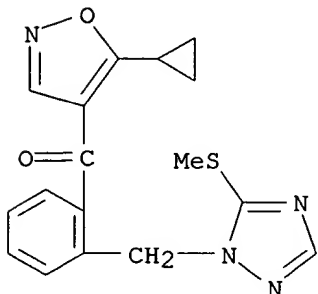
RN 194486-33-4 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[[3-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]phenyl]- (9CI) (CA INDEX NAME)



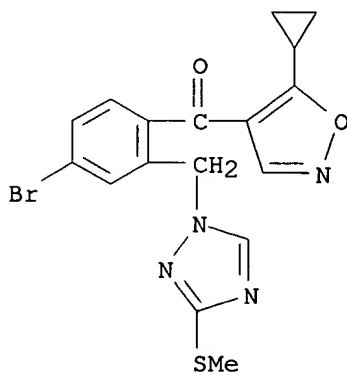
RN 194486-34-5 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[[5-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]phenyl]- (9CI) (CA INDEX NAME)



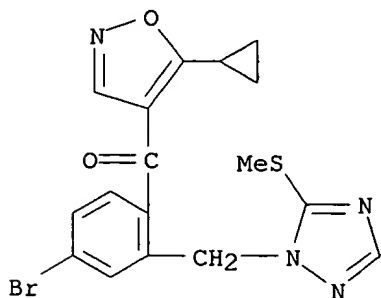
RN 194486-35-6 CAPLUS

CN Methanone, [4-bromo-2-[[3-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]phenyl](5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



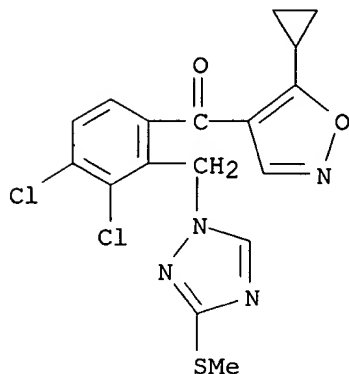
RN 194486-36-7 CAPLUS

CN Methanone, [4-bromo-2-[[5-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]phenyl](5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



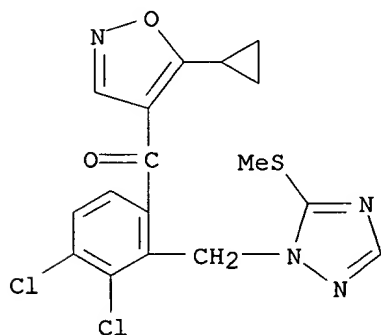
RN 194486-37-8 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[3,4-dichloro-2-[[3-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]phenyl]- (9CI) (CA INDEX NAME)



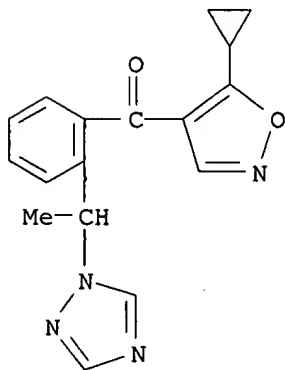
RN 194486-38-9 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[3,4-dichloro-2-[[5-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]phenyl]- (9CI) (CA INDEX NAME)



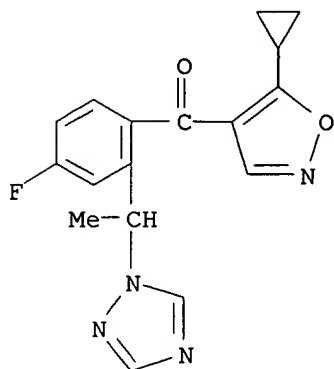
RN 194486-39-0 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[1-(1H-1,2,4-triazol-1-yl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



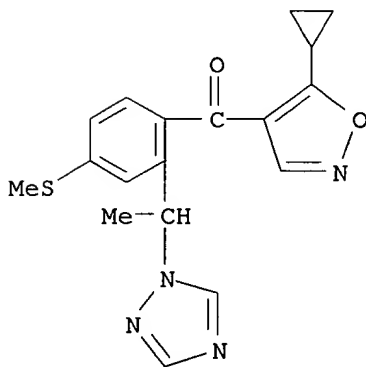
RN 194486-40-3 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[4-fluoro-2-[1-(1H-1,2,4-triazol-1-yl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



RN 194486-41-4 CAPLUS

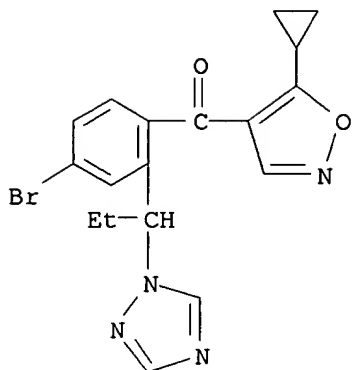
CN Methanone, (5-cyclopropyl-4-isoxazolyl)[4-(methylthio)-2-[1-(1H-1,2,4-triazol-1-yl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



RN 194486-43-6 CAPLUS

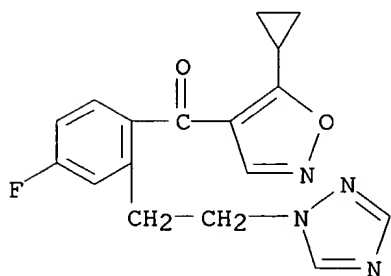
CN Methanone, [4-bromo-2-[1-(1H-1,2,4-triazol-1-yl)propyl]phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)





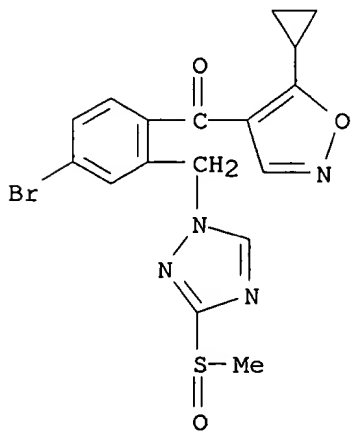
RN 194486-44-7 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[4-fluoro-2-[2-(1H-1,2,4-triazol-1-yl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



RN 194486-45-8 CAPLUS

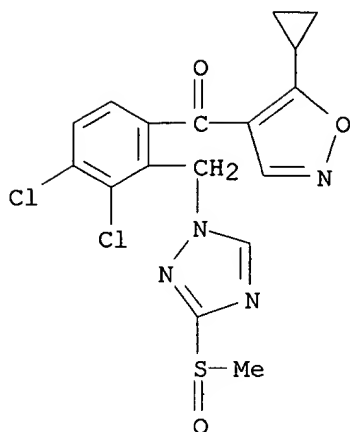
CN Methanone, [4-bromo-2-[[3-(methylsulfinyl)-1H-1,2,4-triazol-1-yl]methyl]phenyl](5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



RN 194486-46-9 CAPLUS

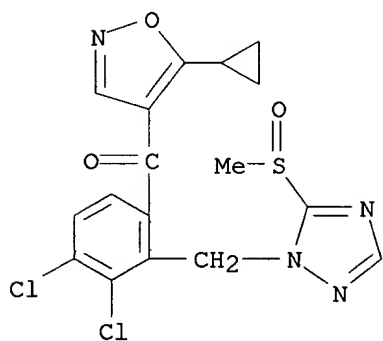
CN Methanone, (5-cyclopropyl-4-isoxazolyl)[3,4-dichloro-2-[[3-(methylsulfinyl)-1H-1,2,4-triazol-1-yl]methyl]phenyl]- (9CI) (CA INDEX NAME)

NAME)



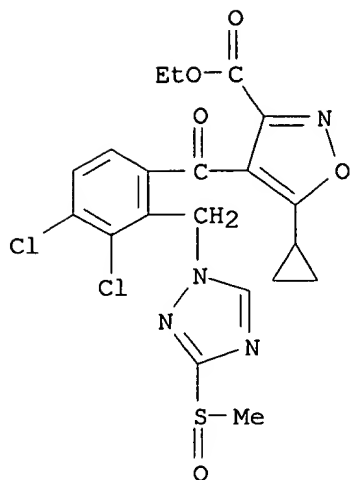
RN 194486-47-0 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[3,4-dichloro-2-[[5-(methylsulfinyl)-1H-1,2,4-triazol-1-yl]methyl]phenyl]- (9CI) (CA INDEX NAME)



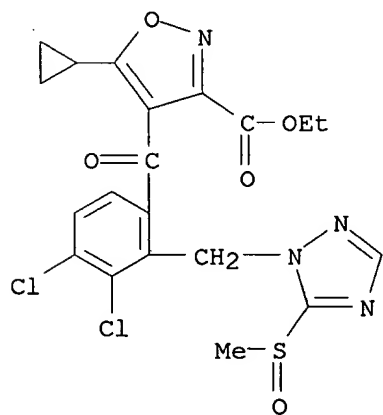
RN 194486-48-1 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[3,4-dichloro-2-[[3-(methylsulfinyl)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



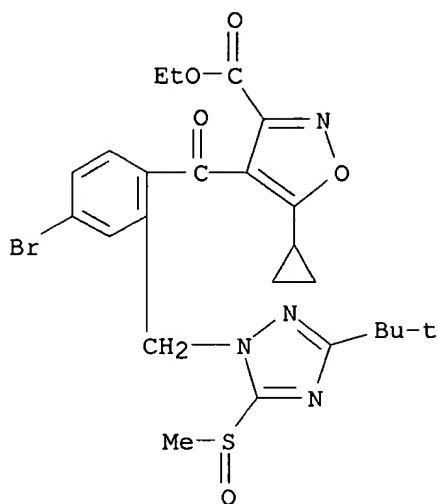
RN 194486-49-2 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[3,4-dichloro-2-[[5-(methylsulfinyl)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-, ethyl ester (9CI)  
(CA INDEX NAME)



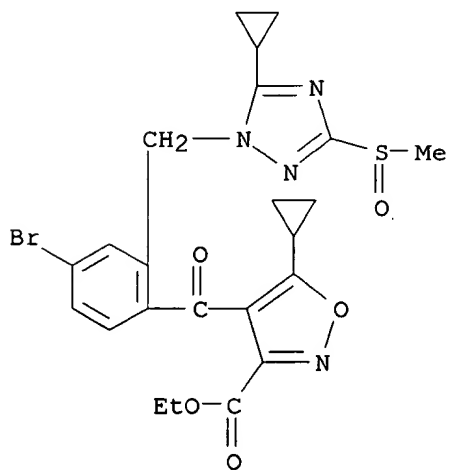
RN 194486-50-5 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[4-bromo-2-[[3-(1,1-dimethylethyl)-5-(methylsulfinyl)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



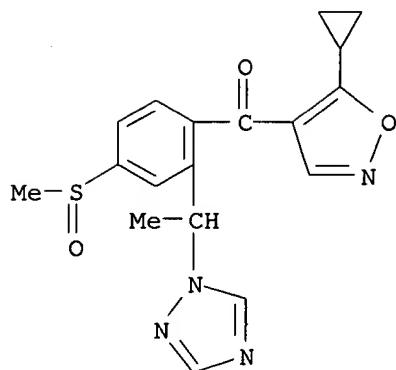
RN 194486-51-6 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[4-bromo-2-[[5-cyclopropyl-3-(methylsulfinyl)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



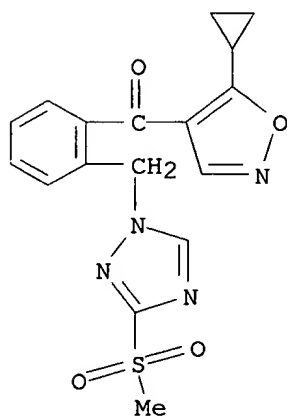
RN 194486-52-7 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[4-(methylsulfinyl)-2-[1-(1H-1,2,4-triazol-1-yl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



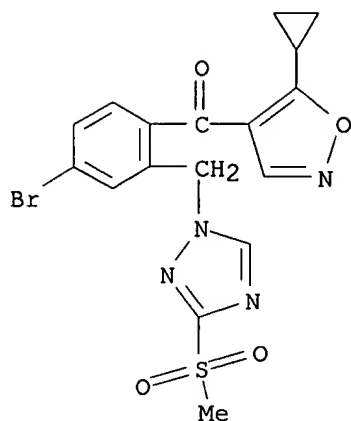
RN 194486-53-8 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl) [2-[[3-(methanesulfonyl)-1H-1,2,4-triazol-1-yl]methyl]phenyl]- (9CI) (CA INDEX NAME)



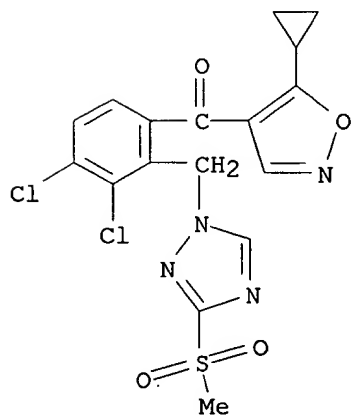
RN 194486-54-9 CAPLUS

CN Methanone, [4-bromo-2-[[3-(methanesulfonyl)-1H-1,2,4-triazol-1-yl]methyl]phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



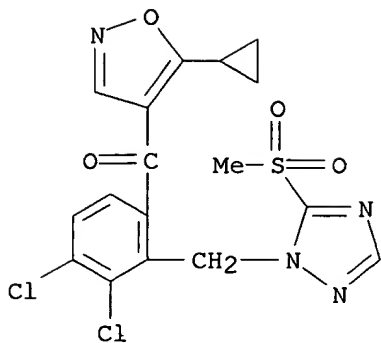
RN 194486-55-0 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[3,4-dichloro-2-[[3-(methylsulfonyl)-1H-1,2,4-triazol-1-yl]methyl]phenyl]- (9CI) (CA INDEX NAME)



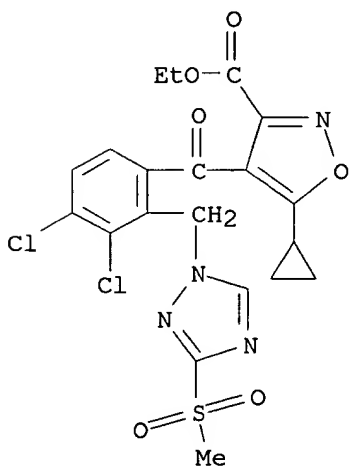
RN 194486-56-1 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[3,4-dichloro-2-[[5-(methylsulfonyl)-1H-1,2,4-triazol-1-yl]methyl]phenyl]- (9CI) (CA INDEX NAME)



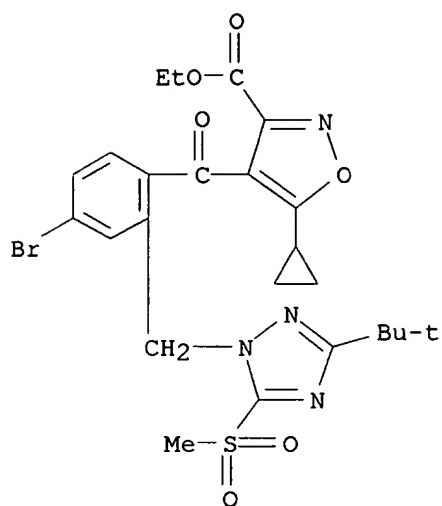
RN 194486-57-2 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[3,4-dichloro-2-[[3-(methylsulfonyl)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-, ethyl ester (9CI)  
(CA INDEX NAME)



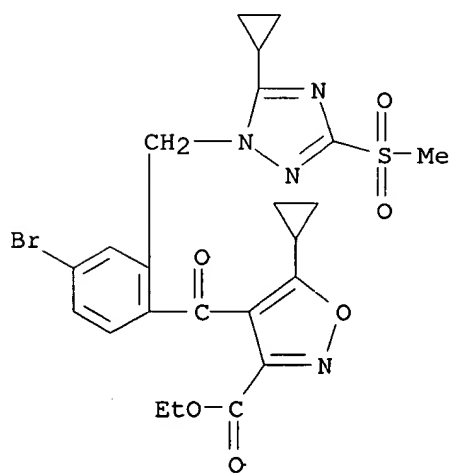
RN 194486-59-4 CAPLUS

CN 3-Isioxazolecarboxylic acid, 4-[4-bromo-2-[[3-(1,1-dimethylethyl)-5-(methylsulfonyl)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 194486-60-7 CAPLUS

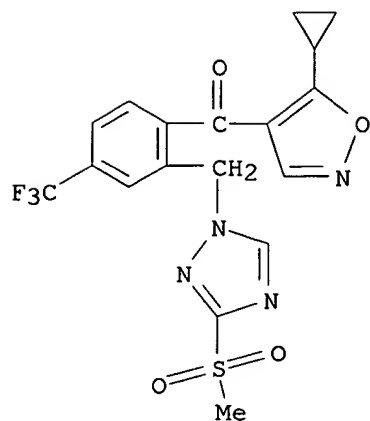
CN 3-Isoxazolecarboxylic acid, 4-[4-bromo-2-[[5-cyclopropyl-3-(methylsulfonyl)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 194486-61-8 CAPLUS

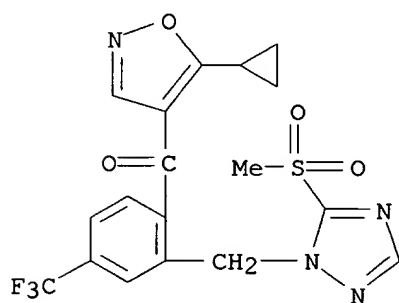
CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[[3-(methylsulfonyl)-1H-1,2,4-triazol-1-yl]methyl]-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)





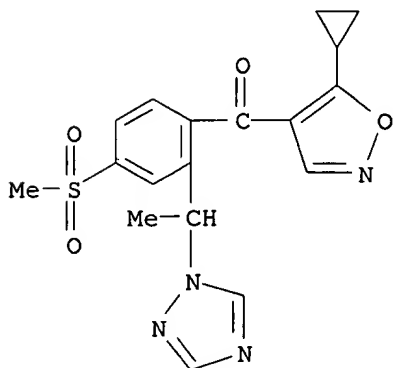
RN 194486-62-9 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl)[2-[[5-(methylsulfonyl)-1H-1,2,4-triazol-1-yl]methyl]-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 194486-63-0 CAPLUS

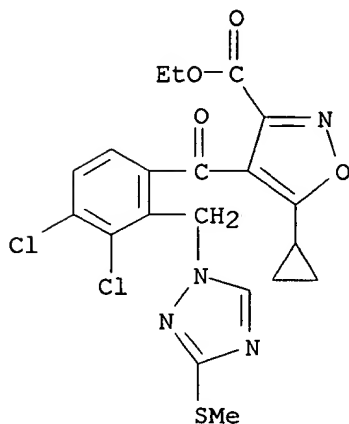
CN Methanone, (5-cyclopropyl-4-isoxazolyl)[4-(methylsulfonyl)-2-[1-(1H-1,2,4-triazol-1-yl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



RN 194486-64-1 CAPLUS

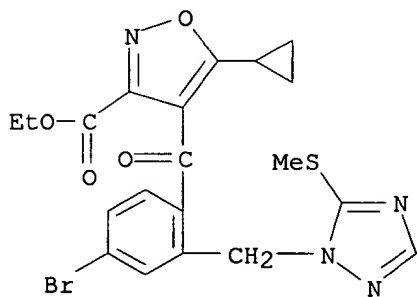
CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[3,4-dichloro-2-[[3-

(methylthio)-1H-1,2,4-triazol-1-yl)methyl]benzoyl]-, ethyl ester (9CI)  
(CA INDEX NAME)



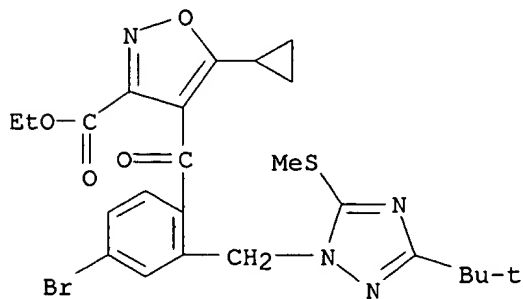
RN 194486-65-2 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[4-bromo-2-[[5-(methylthio)-1H-1,2,4-triazol-1-yl)methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



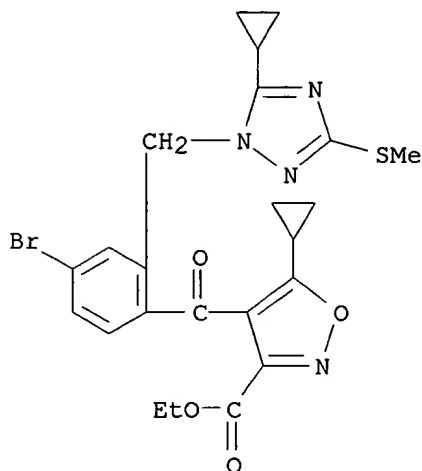
RN 194486-66-3 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[4-bromo-2-[[3-(1,1-dimethylethyl)-5-(methylthio)-1H-1,2,4-triazol-1-yl)methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



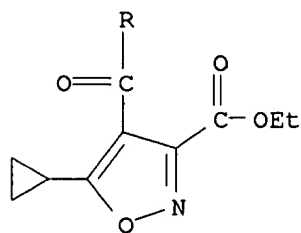
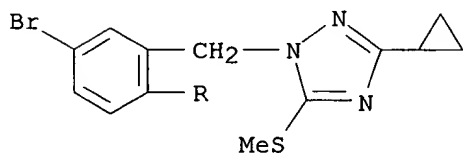
RN 194486-67-4 CAPLUS

CN 3-Isioxazolecarboxylic acid, 4-[4-bromo-2-[[5-cyclopropyl-3-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



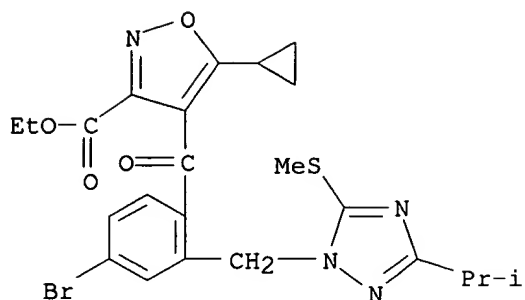
RN 194486-68-5 CAPLUS

CN 3-Isioxazolecarboxylic acid, 4-[4-bromo-2-[[3-cyclopropyl-5-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



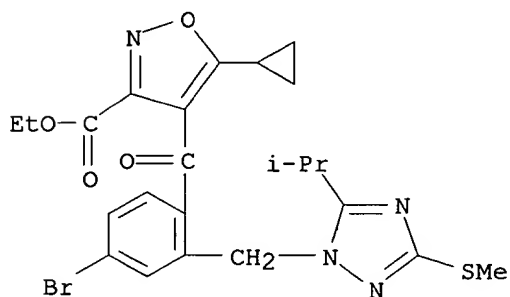
RN 194486-70-9 CAPLUS

CN 3-Isioxazolecarboxylic acid, 4-[4-bromo-2-[[3-(1-methylethyl)-5-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



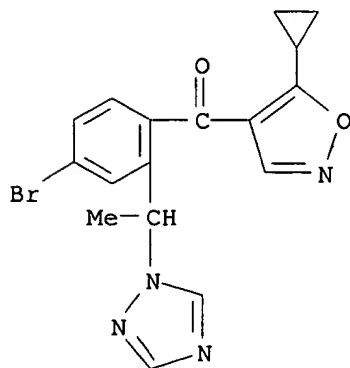
RN 194486-72-1 CAPLUS

CN 3-Isoxazolecarboxylic acid, 4-[4-bromo-2-[[5-(1-methylethyl)-3-(methylthio)-1H-1,2,4-triazol-1-yl]methyl]benzoyl]-5-cyclopropyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 194486-74-3 CAPLUS

CN Methanone, [4-bromo-2-[1-(1H-1,2,4-triazol-1-yl)ethyl]phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



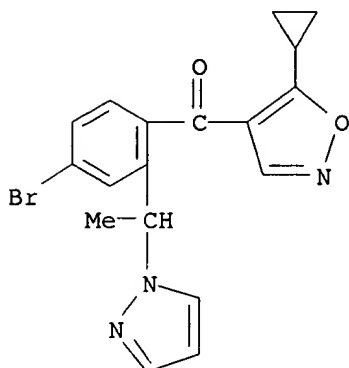
IT **194487-69-9**

RL: RCT (Reactant); RACT (Reactant or reagent)

(starting material; prepn. of isoxazole ketone and cyano dione derivs. as herbicides)

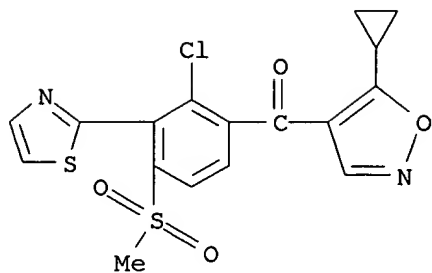
RN 194487-69-9 CAPLUS

CN Methanone, [4-bromo-2-[1-(1H-pyrazol-1-yl)ethyl]phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



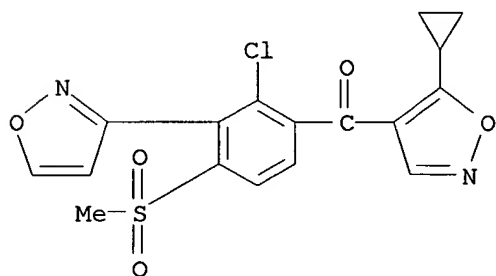
L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1996:612775 CAPLUS  
 DN 125:247802  
 TI Preparation of 4-(heterocyclylbenzoyl)isoxazoles and analogs as herbicides  
 IN Von Deyn, Wolfgang; Hill, Regina Luise; Kardorff, Uwe; Engel, Stefan;  
 Otten, Martina; Vossen, Marcus; Plath, Peter; Rang, Harald; Harreus,  
 Albrecht; et al.  
 PA BASF A.-G., Germany  
 SO PCT Int. Appl., 51 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9626192	A1	19960829	WO 1996-EP592	19960213
	W: AU, BG, BR, CA, CN, CZ, EE, FI, GE, HU, JP, KR, LT, LV, MX, NO, NZ, PL, SG, SK, TR, UA, US, UZ, VN, AZ, BY, KG, KZ, RU, TJ, TM				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2211534	AA	19960829	CA 1996-2211534	19960213
	AU 9648752	A1	19960911	AU 1996-48752	19960213
	EP 810999	A1	19971210	EP 1996-904760	19960213
	EP 810999	B1	20000112		
	R: CH, DE, FR, GB, LI				
	JP 11501009	T2	19990126	JP 1996-525356	19960213
	ZA 9601449	A	19970825	ZA 1996-1449	19960223
	US 5834402	A	19981110	US 1997-894481	19970822
PRAI	DE 1995-19506573	A	19950224		
	WO 1996-EP592	W	19960213		
OS	MARPAT 125:247802				
AB	Title compds. [I; R CR3R4ZR5; R1 = H or alkoxy carbonyl; R2 = H or (un)substituted (cyclo)alkyl; R3 = H and R4 = Cl, OH, acyloxy; R3R4 = O; R5 = heterocyclyl; Z - (un)substituted 1,3-phenylene] were prep'd. as herbicides (no data). Thus, Me 2-chloro-4-methylsulfonyl-3-(trifluoromethoxy)benzoate (prepn. given) was condensed with 2-(tributylstannyl)thiazole and the product converted in 2 steps to the acid chloride which was used to acylate tert-Bu 3-cyclopropyl-3-oxopropionate to give, after decarboxylation, 1-[2-chloro-4-methylsulfonyl-3-(2-thiazolyl)phenyl]-3-cyclopropylpropane-1,3-dione. The latter was condensed with HC(OEt)3 and the product cyclocondensed with HONH2 to give title compd. II.				
IT	<b>181997-69-3P 181997-70-6P</b>				
	RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of 4-(heterocyclylbenzoyl)isoxazoles and analogs as herbicides)				
RN	181997-69-3 CAPLUS				
CN	Methanone, [2-chloro-4-(methylsulfonyl)-3-(2-thiazolyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)				



RN 181997-70-6 CAPLUS

CN Methanone, [2-chloro-3-(3-isoxazolyl)-4-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



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(FILE 'HOME' ENTERED AT 18:54:16 ON 09 OCT 2003)

FILE 'REGISTRY' ENTERED AT 18:54:20 ON 09 OCT 2003

L1 STRUCTURE UPLOADED

L2 10 S L1 SSS SAM

L3 155 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 18:55:00 ON 09 OCT 2003

L4 8 S L3

FILE 'CAOLD' ENTERED AT 18:55:34 ON 09 OCT 2003

=&gt; s 13

L5 0 L3

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.40

185.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-5.21

STN INTERNATIONAL LOGOFF AT 18:55:45 ON 09 OCT 2003